Forest Resources Commission

Forest Land Ownership

Background Papers

1. *Forestry Potential on Crown Granted Agricultural Leases*
   - Regency Consultants Ltd.

2. *Ownership Status of Land in B.C. by Forest Region*
   - T.M. Thomson & Associates

3. *Ownership Status of Land on Vancouver Island and the Gulf Islands*
   - T.M. Thomson & Associates

FORESTRY POTENTIAL

on

CROWN GRANTED

AGRICULTURAL LEASES

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EXECUTIVE SUMMARY

Regency Consultants Ltd. was commissioned by the Forests Resources Commission of the Government of the Province of British Columbia to determine the amount of forested or forestable land which would have been included in the crown grant of agricultural leases in the four northern regions of the Province (Cariboo, Omineca, Skeena, and Peace River.)

From a survey of leases listed in the Ministry of Crown Lands data base which assumed to have been leases issued after 1980, it was determined that of the four regions, some **39.37%** of the land would have forest potential. By extrapolation, it is estimated that the leases crown granted prior to that time had forest potential of about **33%**.

Therefore, assuming a land base of some 647,857 hectares, there would be some **223,611 hectares** available for forest purposes on crown granted agricultural leases.

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1. Introduction

This report was commissioned by the Forest Resources Commission of the Province of British Columbia in November 6, 1991. The need for the study arose because:

> The Forest Resources Commission is interested in determining, on a practical scale, the extent of agricultural leased land and former leased land which would provide a higher economic return in growing timber rather than agricultural crops.[1]

The methodology agreed to determine the above estimate was to search past annual reports for the hectares alienated for each of the past 25 years. From a random sample, an estimate would be made of the available land for forest production. An extrapolation would be made from the sample to the annual alienation to provide the desired estimate.

2. Methodology

Accordingly, a request was made to B.C. Lands to report from their data base on the parcels of land for which a crown grant had been issued in the Cariboo (Region 5), Skeena (Region 6), Omineca (Region 7), and Peace River (Region 8) regions. Some 1105 parcels of land were so identified and listed with the legal description,

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1. Schedule A of the contract between the Minister of Forests and Regency Consultants Ltd.

location, and parcel size identified. Once the different parcels under the same file number were consolidated, the population decreased to 713.

The files were then sorted by region and in ascending file number. A random sample was drawn for each region. The sample sizes as a percentage of the population were different due to the difference in population size.

With the sample files identified, a search of the files was conducted in both the respective regional offices and in the offices of the Surveyor General in Victoria where archived files were accessible. From the search, and through corroborating aerial photographs where available, the amount of land which had not been cultivated, or in the process of cultivation, for agricultural crops was identified and an estimate of the size made. This area consisted of land in standing timber, logged but not stumped, or considered nonarable for agricultural purposes, usually because of soil type or topography. That is, if any attempt had been made to develop the land for cultivation, it was assumed that the decision had been made to divert the land away from forestry.

3. Results of the survey

Table 1 illustrates the different percentages of forest land on the crown granted leases.

Table 1. Survey results

Reg.	# of Files	Total Hect.	Forestry Hectares	Weighted %	Average %
5	65	5,115.99	2,235.80	43.70%	46.16%
6	41	2,093.81	833.64	39.81%	38.22%
7	75	7,163.49	3,435.11	47.95%	47.95%
8	99	9,994.10	3,088.87	30.91%	30.37%
Total	280	24,367.39	9,593.42	39.37%	

The differences between the weighted percentages and the average percentage are found in the example of Region 5 where 43.70% of the land which was crown granted had the capability for forestry and also the mean percentage on all parcels was 46.16.

4. Limitations of the Results

As mentioned previously, the population data was restricted to the crown grant files which were on the Ministry data base. On review of these files, it was found that this data capture began around 1985 in some regions and that the majority of the files were issued a crown grant in 1988 and later. Thus, they represent leases which were issued in the post 1980 policy period.

5. Extrapolations and Assumptions

Once the percentage of forested lands is estimated from the sample size as above, an application of that percentage to the total lease area would give the area available. However, such a number is not readily available. The area crown granted under the agricultural lease program has not been separately identified by the Ministry in its annual reports. Consequently, an estimate must be used.

In his report, David Gillespie wrote that "28% of the entire program allocation have been disposed of under the post- 1980 policies."[2] That allocation was estimated to be some 180,000 hectares (40,000 hectares at crown grant and some 140,000 hectares under development). Therefore, it is estimated that the balance of the crown granted land is some 462,857 hectares (180,000/.28 - 180,000) and that the total of crown grants under the lease-develop-purchase program amounted to some 642,857 hectares.

On the post-1980 leases, if the percentage available for forestry were consistent for that whole development, it is then a reasonable assumption that there would exist some 70,866 hectares (39.37% x 180,000) available for forest production.

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2. Gillespie, David W., Crown Land for Agriculture - A Review, A Report of the Inquiry into Agricultural Development on Crown Land in British Columbia, November, 1989.

The pre 1980 policy generally required that at least 50% of the land parcels be arable and that the farmer had to cultivate some 80% of the arable land.[3] to apply for title. However, since timber values were not a factor at the time, farmers tended to develop all of the arable land plus more for grazing, feeding areas, farmsteads et cetera.[4] Secondly, experinece indicated that the arability of the parcels was probably closer to 67% than the minimum 50%[5]. Therefore, if one needed to cultivate 67% of the lease to qualify for purchase, it can be assumed that 33% would be not cultivated and available for forest production. If that assumption were true (and one can assume that it would approximate reality) then some 152,752 hectares (462,857 x 33%) would be available for forest production from those crown grants.

Thus, if all assumptions were true, then some 220,000 hectares of forest production land would exist within lands which were crown granted. If all of this land provided the regional average of 2.4 m^3 per year[6] of mean annual increment, then the production of wood would be increased by some 528,000 m^3 per year.

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3. Ibid, Appendix 5.

4. Ohlmann, K., Ministry of Crown Lands, Prince George, B.C., personal interview, February 19, 1992.

5. Dielsson, Tom, R.P.F., Ministry of Crown Lands, Prince George, personal interview, February 7, 1992.

6. Thomas, Joan, R.P.F., Northern Interior Lumber Sector, Council of Forest Industries, Prince George, personal interview, February 4, 1992.

However, one assumption in the above calculations which must be questioned is the inclusion of the Peace River in the study since much of the forest land is in hardwood production. The inclusion of that land is based on the assumption that these species do have a market in the long term. While that is a reasonable assumption in this author's opinion, it is valid for the purposes of examination to exclude that region in estimating available forest parcel sizes. Table 2 summarizes those results.

Table 2: Summary of Comparable Results

		Include Peace	Exclude Peace
1	Pre 1980 Lease Area (ha.)	462,857	273,020
2	Post 1980 Lease Area (ha.)	180,000	106,174
3	Pre 1980 Pct Forestry	33%	33%
4	Post 1980 Pct Forestry	39%	45%
5	Pre 1980 Forestry Hectares	152,752	90,097
6	Post 1980 Forestry Hectares	70,866	48,049
7	Total Forestry Hectares	223,611	138,145
8	Mean Annual Increment Assumption	2.4 m^3	2.4 m^3
9	Annual Wood Production (m^3)	536,683	331,549

Where: Rows 1 and 2 assumes that the proportion of Lease Land all four regions is the same as in the sample

Row 3 assumes identical percentages available for forestry prior to 1980 in the Peace and the other regions.

Row 4 was taken from the survey.

Row 5 was the product of rows 1 and 3

Row 6 was the product of rows 2 and 4

Row 7 was the sum of rows 5 and 6

Row 8 was given[7]

Row 9 was the product of rows 7 and 8.

6. Implication of the Results

While the above results provide some interesting information, particularly regarding the available wood supply, the change in policy following the Gillespie Report makes much of that work moot.

Under the amended system, acquisition of agricultural leases is now restricted to "existing farmers". This process is consistent with the recommendation made by this author in 1981[8].

However, there still exists within the lease policy, a philosophy of "mutual exclusivity." That is, in the assessment of the land for lease, there is no recognition of the forestry values that the land may possess. It is simply included in the "nonarable" portion. The development requirements are restricted to the

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7. Ibid.

8. Holtby, R.G., Brief to the Ministry of Lands, Parks, and Housing regarding the Prince George Special Sales Area, written on behalf of the Reid Lake, Eaglet Lake, Prince George, and Mud River Farmers' Institutes, mimeograph, 1981, p 3.

arable portion of the land. Similarly, when land is developed for agriculture, it is removed from the provincial forest should it be contained therein.

A goal which should, in the opinion of this author, be developed, is the development of land on an integrated use basis. That is, all of the land be developed to maximize its biological potential.

The attainment of such a goal is beyond the scope of this study and the specific expertise of this author. Nevertheless, such an approach is required to end the land use conflicts which follow an either/or policy of land allocation, That policy leaves large areas without any productive management (as per the results of this study), and encourages the short term thinking which follows a policy of single use.

Specifically, in order that an integrated use policy for private lands (which these previous leases have become) the question which must be answered is: how to encourage landowners to reforest land which was not developed for agriculture? The answer may lie in a connection to the woodlot policy, renting the land to forest companies who will practice the silvicultural practices necessary to reestablish the stand, or providing tax incentives. These answers are best found from a collective search among the agricultural, forestry, and government sectors.

7. Conclusion

Because of the data limitations the specific numbers requested in this study are not available. Nevertheless, the broader questions which lay behind the specific question can be answered. The question: "Is there a significant amount of land having forest potential which was contained within an crown granted agricultural lease?" can be answered "Yes". Similarly, the question "Is that amount of land sufficiently large to provide justification for government to include it in forest inventory?", again is answered "Yes", provided policies exist which encourage long term investment in reforestation.

APPENDIX A

RESEARCH METHODOLOGY

The formulae used for determining the random sample size were:

$$n' = \frac{p(1-p)}{(\frac{E}{z})^2}$$

Where p = the expected proportion of the sample
E = the allowable error
z = the acceptable range in the distribution

$$n = \frac{n'}{1 + \frac{n'}{N}}$$

Where n = the required sample size of a known population
n' = the sample size of an unknown or infinite population
N = the size of the population[1]

Table 1 provides the summary of the number of files, the total land size, and the means and standard deviations of the population and the samples.

Table 1. Summary of regional populations and samples

Reg.	Population				Sample				z
	# of Files	Total Hect.	Mean Hect.	Std. Dev.	# of Files	Total Hect.	Mean Hect.	Std. Dev.	
5	182	12,071.62	74.52	77.27	65	5,116.99	78.71	82.39	(0.44)
6	55	4,059.20	79.59	66.99	41	2,083.81	74.78	58.09	0.48
7	272	26,750.64	98.71	81.11	75	7,163.49	95.51	79.52	0.34
8	224	26,248.08	118.23	91.74	99	994.10	121.98	99.99	(0.40)
	713	69,127.45	96.96		280	15,367.39	54.98		

1. Henry, Gary T., Practical Sampling, Applied Social Research Methods Series, Volume 21, Sage Publications, 1990, page 120.

The statistic "z" in Table 1 exists as a test of the quality of the sample. The calculation for "z" is:[2]

$$z = \frac{(\bar{x} - \mu)}{\sigma/\sqrt{n}}$$

Where: $\bar{x}$ = *mean of the sample*
μ = *mean of the population*
σ = *standard deviation of the population*
n = *sample size*

If a null hypothesis is made that there is no significant difference between the mean of the sample and the mean of the population and that the hypothesis would be incorrect if the sample lay outside of 95% of all samples in a normally distributed curve, then a "z" value of greater than 1.96 would cause the hypothesis to be rejected. Since none of the "z" values exceed this limit, it can be said that there is no significant difference between the means of the samples and the means of the populations. Therefore, it is reasonable to assume that since the samples fairly represent the population in mean size, they will also represent the population in percentage of the land available for forest use.

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2. Johnson, Robert, Elementary Statistics, Third edition, Duxbury Press, Massachusetts, 1980, p 261.

OWNERSHIP STATUS OF LAND IN BRITISH COLUMBIA, BY FOREST REGION

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Victoria, B.C.

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EXECUTIVE SUMMARY

This report describes the ownership status of land within the six Forest Regions of British Columbia. In addition, six maps showing this status were digitally produced.

The total land area of British Columbia is estimated at 94 862 000 ha. Approximately 94 percent of this area is owned by federal or provincial governments - 83 percent of this land is within Provincial forests and 17 percent outside of Provincial forests. Crown land within Provincial forests is entirely owned by the provincial government.

Crown land in a Provincial forest is available for long-term integrated resource management, including timber harvesting. In contrast, Crown land outside of Provincial forests consists of parks, ecological reserves, recreation areas, and other reserved land on which timber harvesting is usually prohibited.

Of the 5 687 000 ha of privately owned land, an estimated 126 000 ha are in community watersheds. The British Columbia Assessment Authority has classified an estimated 924 000 ha as managed forest land, 65 000 ha as unmanaged forest land, 2 369 000 ha as farms and 2 328 000 ha as land in other statutory property classes for property assessment purposes.

Approximately 500 000 ha of Crown land have some form of license or lease with respect to agricultural usage, under the Land Act.

There are 340 000 ha of land in the Indian Reserve status.

Tree Farm Licences cover 7 990 000 ha of the Province, the majority which is Crown land.

Parks, Ecological Reserves, Wilderness Areas and Recreation reserves, (outside of the Ministry of Forests recreation reserve system) cover approximately 5 100 000 ha. Statistics on regional parks are not as accurate as Provincial and National Parks.

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1. INTRODUCTION

In March 1992, the British Columbia Forest Resources Commission retained T.M. Thomson & Associates (THOMSON) to compile information and prepare maps related to several aspects of the administration of private and Crown land within the Forest Regions of British Columbia.

In summary, the project had the following objectives:

A. Provide the Commission with a report on the ownership status of land within the six Forest Regions of British Columbia in the following classes:

- Provincial Forests;
- Tree Farm Licences;
- Agricultural Leases;
- Private land divided into managed forest, unmanaged forest, farm and total categories;
- Parks;
- Indian Reserves;
- Other divisions which might illustrate the types of tenure affecting the land's availability for forest management.

B. Provide a map identifying parks, municipalities, Indian Reserves, private land in the managed forest land property class, all other private lands and private land in watersheds.

2. OWNERSHIP STATUS OF LAND BY FOREST REGION IN B.C.

2.1 INTRODUCTION

The total land area of British Columbia by Forest Region was partitioned into the following components: Crown land in Provincial forests, Crown land outside of Provincial forests, parks, agricultural leases, Indian Reserves and private land in the following categories:

- Community watersheds;
- Managed forest land;
- Unmanaged forest land;

- Farm land;
- All other private land.

In this report, Crown land includes land owned by either the Provincial or Federal governments. Only land owned by the Provincial government is included in the estimate of Crown land in Provincial forests.

2.2 METHODS USED TO DEVELOP THE STATISTICS

The study area was defined as the entire province of British Columbia, excluding marine waters but including all rivers and lakes.

In December, 1991, THOMSON prepared a review of land statistics for Vancouver Island and the Gulf Islands. Now, as then, investigation revealed that the required information had to be compiled from several sources. No single agency could provide all of the information that was required to produce this report.

Estimates of area by ownership class were obtained for a number of land types: Timber Supply Areas (TSAs), Tree Farm Licences (TFLs), community watersheds, parks, private managed forest land, private unmanaged forest land, farm land, Indian Reserves and agricultural leases and licences. The information required in this report was produced by:

- Reallocating these estimates by Forest Region;
- At times, combining these estimates;
- Rationalizing the estimates by category from one agency to another.

An estimate of the total land area in the study area was obtained from several sources, including Stats Canada, Forestry Canada, the B.C. Ministry of Lands and Parks, the Pearce Report and the B.C. Ministry of Finance. Estimates of area by ownership class were obtained from the B.C. Ministry of Forests for all of the TSAs covering the study area. Estimates of the area of all Provincial parks and ecological reserves were obtained from the B.C. Ministry of Lands and Parks. Data on Federal parks came from Parks Canada. The Management and Working Plans of all of the Tree Farm Licenses in the study area were consulted to obtain estimates of the area by ownership class in TFLs. Estimates of the area in private managed and unmanaged forest land were compiled from data obtained from the

B.C. Assessment Authority. Estimates of area in Indian Reserves were received from Indian and Northern Affairs Canada. Agricultural lease data came from each land region of the B.C. Ministry of Lands and Parks.

2.3 STATISTICS RESULTS

2.3.1 AREA OF CROWN AND PRIVATE LAND

Table 2-1 reports the amount of crown and private land in B.C. This data is also depicted in **Figure 2-1** (opposite). These data were difficult to accurately partition into the various Forest Regions of the Province, because data sources were from various agencies.

Table 2-1. Hectares of Crown and Private Land in B.C. by Forest Region

REGION	PRIVATE	CROWN	AREA (ha)
Cariboo	543 000	7 399 000	7 942 000
Kamloops	881 000	6 839 000	7 720 000
Nelson	778 000	7 430 000	8 208 000
Prince George	1 519 000	30 298 000	31 817 000
Prince Rupert	298 000	25 971 000	26 269 000
Vancouver	1 668 000	11 237 000	12 905 000
Total Province	5 687 000	89 175 000	94 862 000

Source: B.C. Ministry of Forests, TSA and TFL reports, balanced to B.C. Assessment Authority data summarized as of March, 1992.

Appendix II describes the various sources of data for the total area of the Province.

2.3.2 PRIVATE LAND

2.3.2.1 AREA OF PRIVATE LAND BY PROPERTY CLASS

The B.C. Assessment Authority classifies private land into nine statutory property classes: managed forest land, unmanaged forest land, farm land and six other classes. Table 2-2 reports the amount of private land in the study area into the above groups of property classes, by Forest Region. The amount of private land in community watersheds is reported, where available. The Assessment Authority provided the data by Assessment Area, which have little correspondence to the Forest Regions. Thus, the data were reallocated by Forest Region.

Table 2-2. Hectares of Private Land by Property Class in British Columbia by Forest Region

FOREST REGION	MANAGED FOREST LAND	UNMANAGED FOREST LAND	PROPERTY CLASSES		ALL OTHER CLASSES	TOTAL
			FARM LAND	COMMUNITY WATERSHEDS		
CARIBOO	779	2345	300092	N/A	239784	543000
KAMLOOPS	1535	9651	536412	N/A	333402	881000
NELSON	239793	33122	173425	N/A	331660	778000
PRINCE GEORGE	1551	2271	974952	N/A	540226	1519000
PRINCE RUPERT	65	2286	165336	N/A	130313	298000
VANCOUVER	680802	15567	218783	126005	752848	1668000
PROVINCIAL TOTAL	924525	65242	2369000	N/A	2328233	5687000

Source: B.C. Assessment Authority records. A computer summary was made in March, 1992, by Assessment Area for lands in the unmanaged forest and farm categories. These areas were then reallocated to each Forest Region.
Note: Approximately 2000 ha of private forest land, within Tree Farm Licences are not included in the Managed Forest category.

The reallocation of Assessment Area to Forest Region can be found in Appendix III.

2.3.2.2 Managed Forest Land Compared to other Types of Private Land

Approximately one percent of the study area is classified in the managed forest property class.

The area of privately managed forest by Region was shown above in **Table 2-2**.

There is not complete correspondence with private land (i.e. Schedule "A" land) within Tree Farm Licenses and the Managed Forest land category within the Assessment Authority. Nevertheless, in general, Schedule "A" land is usually Managed Forest Land.

Unmanaged forest land comprises less than 0.1% while private farm land comprises 2.5% of the Province.

2.3.3 Area of Land in Indian Reserves

Indian and Northern Affairs Canada provided the data shown in **Table 2-3**. It is interesting to note that the B.C. Assessment Authority considers Indian Reserves as private land for the purposes of taxation, however other agencies do not consider this land to be private.

A detailed listing of areas of reserve by Indian Band is shown in **Appendix V**.

Table 2-3. Area of Indian Reserves by Forest Region

FOREST REGION	AREA OF INDIAN RESERVE LAND	
	(ha)	(%)
CARIBOO	40717	12.0%
KAMLOOPS	146616	43.2%
NELSON	17719	5.2%
PRINCE GEORGE	33075	9.7%
PRINCE RUPERT	44674	13.1%
VANCOUVER	56946	16.8%
TOTAL PROVINCE	339747	100.0%

Source: Indian and Northern Affairs Canada (1985).

2.3.4 Area of Crown Land in Provincial Forests

From the area by ownership data collected, it is difficult to estimate the amount of some types of Crown land inside and outside of Provincial Forests. For other types of Crown land, this determination is easy to accomplish. As specified in the Forest Act (1979), all Crown land in a TFL is a Provincial Forest. Generally, parks, recreation areas, and ecological reserves are excluded from Provincial forests. Usually Crown land in community watersheds is included. Indian reserves (and other land reserves) may be inside or outside of Provincial Forests depending on the history of the legal description of the area and the current status of Ministry of Forests Provincial, Regional and TSA statistics. Timber Licences (TLs) are within a Provincial forest when they are associated with a TFL. Nevertheless, when the TL is surrounded by private land, it is not in a Provincial forest.

During the search for Crown land statistics, it was generally found that data were well kept for the area of interest of the agency responsible, but that complete sets of data, Province wide, were out of date.

A first approximation of the area of Crown land in Provincial forests is 74 million ha, which is 82% of all Crown land in the study area (Table 2-4).

Table 2-4. Hectares of Crown Land Inside and Outside of Provincial Forests by Category and Forest Region

	CARIBOO	KAMLOOPS	NELSON	VANCOUVER	P. RUPERT	P. GEORGE	PROVINCIAL
INSIDE PROVINCIAL FORESTS	7506252	5572782	4[illegible]9411	6135053	21070898	28804274	74038470
OUTSIDE PROVINCIAL FORESTS							
1. Other	106955	229524	587071	509928	167716	210831	1812025
2. Parks	155318	628378	855549	1678295	2228626	885020	6431186
3. TFL Schedule "B"	386576	314472	1084267	2798045	1901659	997333	7482352
4. TFL Timber Licenses	0	0	4830	275359	22180	0	302369
5. Crown Watershed	0	0	0	73553	0	0	73553
TOTAL	8155101	6745156	7481128	11470233	25390879	30897458	90139955

Source: B.C. Ministry of Forests, TSA summaries with adjusted parks data from B.C. Ministry of Lands and Parks. This will not balance to other tables due to differing methods of data collection, variation in the period that the data were available and differing agency responsibilities.

2.3.5 Area by Ownership Class Within Tree Farm Licences

Land area of Tree Farm Licenses by Forest Region is reported in Table 2-5. Tree Farm Licenses cover some 8.4% of the total land area of the Province.

Table 2-5. Tree Farm Licence Area by Region and Land Status

REGION	FEE SIMPLE LAND	TIMBER LICENCES	SCHEDULE "B" CROWN LAND	SCHEDULE "C" CROWN LAND"	TOTAL
CARIBOO	331	0	386576	0	386907
KAMLOOPS	874	0	314472	0	315346
NELSON	4976	4830	1084267	0	1094073
PRINCE GEORGE	2574	0	976698	20635	999907
PRINCE RUPERT	732	22180	1901659	0	1924571
VANCOUVER	191446	275359	2802173	272	3269250
TOTAL PROVINCE	200933	302369	7465845	20907	7990054

Source: B.C. Ministry of Forests, Timber Harvesting Branch

2.3.6 Area by Ownership Class Within Forest Regions

Approximately 85% of the study area is accounted for as part of a Timber Supply Area (TSA). Up to date data were unavailable from the Ministry of Forests for a complete accounting of all "ownership codes" within a TSA or Region, especially for parks inside and outside the TSA. As a result, THOMSON made attempts to balance the information between agencies in order to show the divisions of land. The original TSA data within the Region is shown in **Appendix V**. **Table 2-6** (opposite) shows the adjusted TSA data by Region. The major change is the addition of all parks in the Province, in order to show a more complete Federal, Provincial and Regional Park total. Data on individual National and Provincial Parks and Ecological Reserves are shown in **Appendix VII**. **Table 2-7** provides a key to TSA ownership codes.

Table 2-7. Key to TSA Ownership Codes
MINISTRY OF FORESTS, INVENTORY BRANCH
OWNERSHIP CODES

B - Schedule "B" Crown land in a TFL
C - Land available for long-term integrated resource management
N - Land not available for long-term integrated resource management

CODE	OWNERSHIP	DESCRIPTION
40-N	Private	Crown grant. See 81-N.
50-N	Federal	Federal reserve
51-N	Federal	National park
52-N	Federal	Indian reserve
53-N	Federal	Military reserve
54-N	Federal	Dominion government block
60-N	Provincial	Ecological reserve
61-C/N	Provincial	UREP (use, recreation, enjoyment of the public)
62-C	Provincial	Forest management unit (TSA, PSYU), Crown land
62-N	Provincial	Timber agreement land (Crown land less timber rights)
63-N	Provincial	Park, class A
64-N	Provincial	Park, class B
65-N	Provincial	Park, class C, park board
66-N	Provincial	Park, class C, no board
67-N	Provincial	Park, park reserve or equivalent (regional parks, Purcell Wilderness Conservancy, recreation areas, provincial heritage sites, wildlife management reserves)
68-N	Provincial	Wilderness areas within provincial forests
69-C/N	Provincial	Miscellaneous reserves (B.C.F.S. recreation reserve or corridor, B.C. Hydro reserve, B.C. Railway reserve, watershed reserve, industrial reserve, islands reserve, map reserve, greenbelt land, multiple-use fish and wildlife reserve)
70-N	Provincial	Timber licence in a TSA
70-C	Provincial	Timber licence in a TFL
71-C	Provincial	Timber licence in a TFL
72-B	Provincial	Schedule 'B' land in a TFL
74-N	Priv. & Prov.	Timber alienated in a watershed (Greater Vancouver Water District, Greater Victoria Water District)
75-N	Provincial	Christmas tree permit
76-N	Priv. & Prov.	Ownership status unreported in a TFL
77-N	Provincial	Woodlot licence, Crown land portion. Private portion is 40-N
78-N	Provincial	Community pasture in the Prince George Special Sale Area (SSA)
79-N	Provincial	Provincial forest exclusions in the Prince George SSA
81-N	Priv. & Prov.	Lands under municipal administration. See 40. Not in use.
90-C	Provincial	Grazing lease
91-C	Provincial	Hay lease
92-N	Provincial	Foreshore lease
93-C	Provincial	Coal lease and placer lease
95-C	Provincial	Hay cutting permit
96-C	Provincial	Special purpose lease
99-C/N	Provincial	Misc. leases (fairgrounds, rod and gun club sites, recreational cottage site leases, and community organization leases)

2.3.7 Land in Agricultural Leases and Licenses in British Columbia

For a more complete discussion on this topic, the reader is referred to the Holtby and Gillespie reports, as listed in the references. Ministry of Lands is responsible for alienating or providing short term tenure on Crown Lands in the Province. Currently, the portfolios of the various Land Regional Centers show about 500 000 ha under various forms of lease or licence in the agricultural sector. This comprises some 0.5% of all land in the Province and about 8.8% of all private land. **Table 2-8** shows more details on this. These do not include lands which have already been alienated to fee simple status under this program, which are usually included in the farm category of private lands.

Table 2-8. Areas (in Hectares) of Agricultural Leases, Licenses and Reserves, by Region

REGION	AGRICULTURAL LEASES WITH OPTION TO PURCHASE	OTHER AGRICULTURAL TENURES, NO OPTION TO PURCHASE	AGRICULTURAL RESERVES	TOTAL
CARIBOO	16843	63009	21505	101357
KAMLOOPS	1137	81630	1640	84407
NELSON	92	1904	500	2496
PRINCE GEORGE	99748	29468	138879	268095
PRINCE RUPERT	8438	17275	8	25721
VANCOUVER	2991	9089	2414	14494
TOTAL PROVINCE	129249	202375	164946	496570

Source: B.C. Ministry of Lands and Parks, Land Regional centres staff.

These data were reallocated to the Forest Regions based on visual comparisons of Provincial Lands maps vs Provincial Forests maps.

3. MAPPING THE LOCATION OF PRIVATE FOREST LAND

Appendix I identifies six maps showing the following land types:

- Parks, ecological reserves, wilderness and recreation areas;
- Municipalities;
- Indian Reserves;
- Private land in watersheds;
- Private land in the managed forest land property class; and
- All other private land.

The maps were produced digitally at the following scales:

- Nelson, Kamloops and Cariboo Forest Regions at 1:600 000;
- Vancouver, Prince Rupert and Prince George Forest Regions at 1:1 000 000.

The source maps were obtained from MAPS-BC, the Ministry of Lands and Parks, Parks Branch and the B.C. Assessment Authority. The digital base with Provincial and Regional boundaries, lakes and rivers was in the THOMSON computer-assisted mapping data base.

The process of mapping was as follows:

- Foresters identified managed forest land and ecological reserves onto the source maps. These source maps were at three different scales:
  - 1:100 000;
  - 1:125 000;
  - 1:250 000.

The scale used was the smallest available that already had cadastral data on it (private land boundaries, parks, municipalities and Indian Reserves).

- This information was digitized in layers into the system.
- The various layers were merged and the Regional map was "clipped" from the file.
- Each digitized polygon had to be "complexed"-checked to see if there were no missing parts of the figure and that it was completely closed.
- Each type of land was then shaded;
- The map was plotted, and checked by the mapping supervisor and the foresters. Changes were then digitized and a final copy was plotted.

The checking procedure was very complex, given the myriad small pieces of private land, parks and Indian Reserves in the Province.

Despite this intensive checking, the map should be interpreted as showing the placement of the land classes in a general sense and may not be entirely accurate. Some of the government maps showing private lands have not been updated since the late 1960's, although most of them are printed in the late 1970's and some are current to the 1980's. The boundaries of the managed forest land should also be taken as approximate. The terms of reference did not allow for rigorously checking placement of the property boundaries. Notes were made where properties could not be located during the short time available to present this work. The maps show the parks relatively accurately and will provide a good overview for land status in the Province.

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APPENDIX I

SIX MAPS SHOWING THE LOCATION OF MAJOR PARKS, MUNICIPALITIES, INDIAN RESERVES, PRIVATE LAND IN THE MANAGED FOREST LAND PROPERTY CLASS, AND ALL OTHER PRIVATE LANDS IN BRITISH COLUMBIA

(Under Separate Cover)

APPENDIX II

REPORTED LAND AND FRESHWATER AREAS OF BRITISH COLUMBIA

REPORTED LAND AND FRESH WATER AREAS OF BRITISH COLUMBIA

SOURCE	AREA IN HECTARES	% CHANGE FROM MINISTRY OF FINANCE DATA
PLANNING AND STATISTICS DIVISION, MINISTRY OF FINANCE AND ADMINISTRATION, 1991	94864800	0.0000%
MINISTRY OF CROWN LANDS, 1989	94780000	-0.0894%
BONNOR, 1981 (Canada's Forest Inventory)	94900000	0.0371%
PEARCE REPORT, 1976	94699800	-0.1739%
B.C. ASSESSMENT AUTHORITY, 1991	94861675	-0.0033%

APPENDIX III

ASSESSMENT AUTHORITY AREAS COMPARED WITH FOREST REGIONS

FILE: 288B ASSESSMENT AREAS VS FOREST REGIONS
ASSVSFOR

Assessment Area No.	1/10 sq. cm.	AREA IN HA	Forest Region
23B	5.7	545790	C
24A	95	7396603	C
TOTAL		7942392	
17A	16	1205075	K
20A	15	1445843	K
23A	50	4787630	K
19		282055	K
TOTAL		7720604	
17C	7.5	564879	N
20B	11	1060285	N
21		2431275	N
22		4151582	N
TOTAL		8208020	
24B	2.7	224951	PG
24D	2.3	200143	PG
25D	3	292102	PG
25F	2	194735	PG
25A	105	9849531	PG
27B	232	21045255	PG
TOTAL		31816717	
25A	118	11489362	PR
26B	6.7	628494	PR
27A	156	14151119	PR
TOTAL		26268975	
17B	0.4	30127	V
24C	27	2349509	V
25B	10	973675	V
25C	2	194735	V
25E	1.6	155788	V
6A	21	1967315	V
6B	30	2667594	V
1		262372	V
4		520599	V
5		740494	V
8		1478397	V
9		13986	V
10		13986	V
11		34965	V
12		75324	V

13	300704	V
14	34966	V
15	8:536	V
16	1107244	V
TOTAL	12904967	

TOTAL	94861676
BALANCE TO:	94861676

Source: B.C. Assessment Authority. Each assessment area was assigned to a forest region by THOMSON, using an overlay of the Forest Regions on the BC Assessment area map and planimetering the divisions.

APPENDIX IV

LIST OF INDIAN RESERVE AREAS BY FOREST REGION

file: 2588
comp.file: IRESAREA
Sorted by Forest Region

INDIAN RESERVES BY REGION DISTRICT AND BAND

March 28, 1992

DISTRICT	BAND	AREA	FOREST REGION
CENTRAL INTERIOR	COMMON	32	CARIBOO
CENTRAL INTERIOR	CLINTON	496	CARIBOO
CENTRAL INTERIOR	COMMON	4	CARIBOO
WILLIAMS LAKE	KLUSKUS	1653	CARIBOO
WILLIAMS LAKE	ALKALI LAKE	3960	CARIBOO
WILLIAMS LAKE	ALEXIS CREEK	3993	CARIBOO
WILLIAMS LAKE	CANIM LAKE	2059	CARIBOO
WILLIAMS LAKE	QUESNEL	684	CARIBOO
WILLIAMS LAKE	NEMAIAH VALLEY	1383	CARIBOO
WILLIAMS LAKE	ALEXANDRIA	1142	CARIBOO
WILLIAMS LAKE	TOOSEY	2582	CARIBOO
WILLIAMS LAKE	ULKATCHO	3213	CARIBOO
WILLIAMS LAKE	CANOE CREEK	5582	CARIBOO
WILLIAMS LAKE	WILLIAMS LAKE	1927	CARIBOO
WILLIAMS LAKE	ANAHAM	5656	CARIBOO
WILLIAMS LAKE	NAZKO	1844	CARIBOO
WILLIAMS LAKE	STONE	2146	CARIBOO
WILLIAMS LAKE	SODA CREEK	2093	CARIBOO
UNKNOWN	UNKNOWN	268	CARIBOO
	TOTAL, CARIBOO	40717	
	TOTAL, BASED ON MOF DATA	34516	
CENTRAL INTERIOR	BONAPARTE	2351	KAMLOOPS
CENTRAL INTERIOR	LOWER NICOLA	7096	KAMLOOPS
CENTRAL INTERIOR	SKUPPAH	211	KAMLOOPS
CENTRAL INTERIOR	HIGH BAR	1506	KAMLOOPS
CENTRAL INTERIOR	SPALLUMCHEEN	3905	KAMLOOPS
CENTRAL INTERIOR	KANAKA BAR	229	KAMLOOPS
CENTRAL INTERIOR	COOK'S FERRY	4058	KAMLOOPS
CENTRAL INTERIOR	KAMLOOPS	13327	KAMLOOPS
CENTRAL INTERIOR	ADAMS LAKE	2886	KAMLOOPS
CENTRAL INTERIOR	LITTLE SHUSWAP LAKE	3135	KAMLOOPS
CENTRAL INTERIOR	LYTTON	5981	KAMLOOPS
CENTRAL INTERIOR	DEADMAN'S CREEK	7908	KAMLOOPS
CENTRAL INTERIOR	NICOMEN	1176	KAMLOOPS
CENTRAL INTERIOR	NESKAINLITH	2787	KAMLOOPS
CENTRAL INTERIOR	COLDWATER	2499	KAMLOOPS
CENTRAL INTERIOR	NOOAITCH	1693	KAMLOOPS
CENTRAL INTERIOR	OREGON JACK CREEK	823	KAMLOOPS
CENTRAL INTERIOR	NORTH THOMPSON	1522	KAMLOOPS
CENTRAL INTERIOR	PENTICTON	13738	KAMLOOPS
CENTRAL INTERIOR	ASHCROFT	2019	KAMLOOPS
CENTRAL INTERIOR	SHUSWAP	1106	KAMLOOPS
CENTRAL INTERIOR	UPPER NICOLA	12503	KAMLOOPS
CENTRAL INTERIOR	LOWER SIMILKAMEEN	15276	KAMLOOPS
CENTRAL INTERIOR	UPPER SIMILKAMEEN	2603	KAMLOOPS
CENTRAL INTERIOR	OSOYOOS	13052	KAMLOOPS
CENTRAL INTERIOR	WESTBANK	969	KAMLOOPS
CENTRAL INTERIOR	SISKA	320	KAMLOOPS

file: 2888
comp.file: IRESAREA
Sorted by Forest Region

INDIAN RESERVES BY REGION DISTRICT AND BAND
March 28, 1992

DISTRICT	BAND	AREA	FOREST REGION
CENTRAL INTERIOR	SHACKAN	3874	KAMLOOPS
CENTRAL INTERIOR	OKANAGAN	10603	KAMLOOPS
CENTRAL INTERIOR	BOOTHROYD	1120	KAMLOOPS
VANCOUVER (987)	LILLOOET	1583	KAMLOOPS
VANCOUVER (987)	COMMON	860	KAMLOOPS
VANCOUVER (987)	SETON LAKE	1802	KAMLOOPS
VANCOUVER (987)	PAVILION	2112	KAMLOOPS
	TOTAL, KAMLOOPS	146616	
	TOTAL, BASED ON MOF DATA	157027	
CENTRAL INTERIOR	LOWER KOOTENAY	2443	NELSON
CENTRAL INTERIOR	TOBACCO PLAINS	4278	NELSON
CENTRAL INTERIOR	COLUMBIA LAKE	3402	NELSON
CENTRAL INTERIOR	COMMON	140	NELSON
CENTRAL INTERIOR	ST. MARY'S	7456	NELSON
	TOTAL, ~~KAMLOOPS~~ NELSON	17719	
	TOTAL, BASED ON MOF DATA	15761	
FORT ST JOHN SERVICE CENT	WEST MOBERLY LAKE	2034	P. GEORGE
FORT ST JOHN SERVICE CENT	DOIG RIVER	1348	P. GEORGE
FORT ST JOHN SERVICE CENT	FORT NELSON	9494	P. GEORGE
FORT ST JOHN SERVICE CENT	SAULTEAU	3026	P. GEORGE
FORT ST JOHN SERVICE CENT	PROPHET RIVER	374	P. GEORGE
FORT ST JOHN SERVICE CENT	BLUEBERRY RIVER	1149	P. GEORGE
FORT ST JOHN SERVICE CENT	HALFWAY RIVER	3989	P. GEORGE
PRINCE GEORGE (985)	STUART TREMBLEUR LAKE	2482	P. GEORGE
PRINCE GEORGE (985)	NEE-TAHI-BUHN (OMINECA)	650	P. GEORGE
PRINCE GEORGE (985)	NECOSLIE	1460	P. GEORGE
PRINCE GEORGE (985)	INGENIKA	201	P. GEORGE
PRINCE GEORGE (985)	MCLEOD LAKE	237	P. GEORGE
PRINCE GEORGE (985)	BROMAN LAKE (OMINECA)	676	P. GEORGE
PRINCE GEORGE (985)	STELLAQUO	934	P. GEORGE
PRINCE GEORGE (985)	FORT WARE	392	P. GEORGE
PRINCE GEORGE (985)	FORT GEORGE	686	P. GEORGE
PRINCE GEORGE (985)	TAKLA LAKE	807	P. GEORGE
PRINCE GEORGE (985)	STONY CREEK	3236	P. GEORGE
	TOTAL, PRINCE GEORGE	33075	
	TOTAL, BASED ON MOF DATA	41320	
HAZELTON	MORICETOWN	1421	P. RUPERT
HAZELTON	GLEN VOWELL	512	P. RUPERT
HAZELTON	GITANMAAX	2084	P. RUPERT
HAZELTON	GITWANGAK	1679	P. RUPERT
HAZELTON	KITWANCOOL	862	P. RUPERT
HAZELTON	KISPIOX	1686	P. RUPERT
HAZELTON	HAGWILGET	169	P. RUPERT
HAZELTON	GITSEGUKLA	1914	P. RUPERT

file: 2988
comp.file: IRESAREA
Sorted by Forest Region

INDIAN RESERVES BY REGION DISTRICT AND BAND
March 28, 1992

DISTRICT	BAND	AREA	FOREST REGION
NORTHWEST (986) TERRACE	CANYON CITY	655	P. RUPERT
NORTHWEST (986) TERRACE	KINCOLITH	2786	P. RUPERT
NORTHWEST (986) TERRACE	ISKUT	21	P. RUPERT
NORTHWEST (986) TERRACE	LAKALZAP	1836	P. RUPERT
NORTHWEST (986) TERRACE	LAX KW'ALAAMS (PORT SIMPS	1049	P. RUPERT
NORTHWEST (986) TERRACE	KITSELAS	1103	P. RUPERT
NORTHWEST (986) TERRACE	METLAKATLA	162	P. RUPERT
NORTHWEST (986) TERRACE	KITAMAAT	665	P. RUPERT
NORTHWEST (986) TERRACE	COMMON	0	P. RUPERT
NORTHWEST (986) TERRACE	HARTLEY BAY	520	P. RUPERT
NORTHWEST (986) TERRACE	TAHLTAN	1308	P. RUPERT
NORTHWEST (986) TERRACE	KITKATLA	1385	P. RUPERT
NORTHWEST (986) TERRACE	KITSUMKALUM	559	P. RUPERT
NORTHWEST (986) TERRACE	GENERAL LIST	13300	P. RUPERT
NORTHWEST (986) TERRACE	GITLAKDAMIX	2000	P. RUPERT
PRINCE GEORGE (985)	CHESLATTA	1404	P. RUPERT
PRINCE GEORGE (985)	FRASER LAKE	966	P. RUPERT
PRINCE GEORGE (985)	BURNS LAKE	164	P. RUPERT
PRINCE GEORGE (985)	LAKE BABINE	3094	P. RUPERT
	TOTAL, PRINCE RUPERT	44674	
	TOTAL, BASED ON MOF DATA	48453	
CAMPBELL R.	TSAWATAINEUK	218	VANCOUVER
CAMPBELL R.	KWAKIUTL	295	VANCOUVER
CAMPBELL R.	KWA-WA-AINEUK	205	VANCOUVER
CAMPBELL R.	CAMPBELL R.	174	VANCOUVER
CAMPBELL R.	KWIAKAH	69	VANCOUVER
CAMPBELL R.	TLOWITSIS-MUMTAGILA	130	VANCOUVER
CAMPBELL R.	TANAKTEUK	318	VANCOUVER
CAMPBELL R.	ALL BANDS IN COMMON	0	VANCOUVER
CAMPBELL R.	KWICKSUTAINEUK	179	VANCOUVER
CAMPBELL R.	COMOX	234	VANCOUVER
CAMPBELL R.	MAMALILLIKULLA	330	VANCOUVER
CAMPBELL R.	CAPE MUDGE	668	VANCOUVER
CAMPBELL R.	NIMPKISH	333	VANCOUVER
CAMPBELL R.	TSULQUATE	752	VANCOUVER
CAMPBELL R.	QUATSINO	346	VANCOUVER
CAMPBELL R.	EHATTESAHT	136	VANCOUVER
CAMPBELL R.	NUWITTI	3474	VANCOUVER
CENTRAL INTERIOR	SPUZZUM	836	VANCOUVER
CENTRAL INTERIOR	BOSTON BAR	809	VANCOUVER
NANAIMO	JOINTLY	159	VANCOUVER
NANAIMO	OPETCHESAHT	215	VANCOUVER
NANAIMO	CHEMAINUS	1202	VANCOUVER
NANAIMO	CLAYOQUOT	220	VANCOUVER
NANAIMO	AHOUSAHT	592	VANCOUVER
NANAIMO	COWICHAN	2433	VANCOUVER
NANAIMO	UCLUELET	199	VANCOUVER
NANAIMO	COWICHAN LAKE	39	VANCOUVER

file: 2888
comp.file: IRESAREA
Sorted by Forest Region

INDIAN RESERVES BY REGION DISTRICT AND BAND
March 28, 1992

DISTRICT	BAND	AREA	FOREST REGION
NANAIMO	TSEYCUM	28	VANCOUVER
NANAIMO	DITIDAHT (NITINAHT)	727	VANCOUVER
NANAIMO	TSARTLIP	325	VANCOUVER
NANAIMO	ESQUIMALT	18	VANCOUVER
NANAIMO	SOOKE	67	VANCOUVER
NANAIMO	HALALT	166	VANCOUVER
NANAIMO	SHESHAHT	476	VANCOUVER
NANAIMO	HESQUIAHT	243	VANCOUVER
NANAIMO	PENLAKUT	636	VANCOUVER
NANAIMO	KYUQUOT	382	VANCOUVER
NANAIMO	BEECHER BAY	296	VANCOUVER
NANAIMO	LYACKSON	745	VANCOUVER
NANAIMO	COMMON	5	VANCOUVER
NANAIMO	MALAHAT	237	VANCOUVER
NANAIMO	TSAWOUT	258	VANCOUVER
NANAIMO	MOWACHAHT	263	VANCOUVER
NANAIMO	SONGHEES	125	VANCOUVER
NANAIMO	NANAIMO	266	VANCOUVER
NANAIMO	PAUQUACHIN	319	VANCOUVER
NANAIMO	NANOOSE	53	VANCOUVER
NANAIMO	UCHUCKLESAHT	233	VANCOUVER
NANAIMO	NUCHATLAHT	92	VANCOUVER
NANAIMO	QUALICUM	77	VANCOUVER
NANAIMO	TOQUAHT	196	VANCOUVER
NANAIMO	PACHEENAHT	173	VANCOUVER
NANAIMO	OHIAHT	816	VANCOUVER
NORTHWEST (986)	TERRACE COMMON	0	VANCOUVER
NORTHWEST (986)	TERRACE SKIDEGATE	670	VANCOUVER
NORTHWEST (986)	TERRACE MASSET	908	VANCOUVER
VANCOUVER (987)	SQUIALA	128	VANCOUVER
VANCOUVER (987)	SUMAS	235	VANCOUVER
VANCOUVER (987)	TSAWWASSEN	273	VANCOUVER
VANCOUVER (987)	MOUNT CURRIE (PEMBERTO	2929	VANCOUVER
VANCOUVER (987)	TZEACHTEN	282	VANCOUVER
VANCOUVER (987)	NEW WESTMINSTER	0	VANCOUVER
VANCOUVER (987)	UNION BAR	500	VANCOUVER
VANCOUVER (987)	QWEEKENO	713	VANCOUVER
VANCOUVER (987)	YAKWEAKWIOOSE	19	VANCOUVER
VANCOUVER (987)	PETERS	197	VANCOUVER
VANCOUVER (987)	YALE	225	VANCOUVER
VANCOUVER (987)	SAMAHQUAM	183	VANCOUVER
VANCOUVER (987)	COMMON	65	VANCOUVER
VANCOUVER (987)	SEABIRD ISLAND	2141	VANCOUVER
VANCOUVER (987)	COMMON	469	VANCOUVER
VANCOUVER (987)	SEMIAHMOO	129	VANCOUVER
VANCOUVER (987)	KITASOO	598	VANCOUVER
VANCOUVER (987)	SKAWAHLOOK	75	VANCOUVER
VANCOUVER (987)	KATZIE	341	VANCOUVER
VANCOUVER (987)	SKOWKALE	68	VANCOUVER
VANCOUVER (987)	HOPE	614	VANCOUVER

file: 2888
comp.file: IRESAREA
Sorted by Forest Region

INDIAN RESERVES BY REGION, DISTRICT AND BAND
March 28, 1992

DISTRICT	BAND	AREA	FOREST REGION
VANCOUVER (987)	SKWAY	218	VANCOUVER
VANCOUVER (987)	HOMALCO	624	VANCOUVER
VANCOUVER (987)	SOOWAHLIE	461	VANCOUVER
VANCOUVER (987)	HEILTSUK	1369	VANCOUVER
VANCOUVER (987)	LAKAHAHMEN	490	VANCOUVER
VANCOUVER (987)	FOUNTAIN	1572	VANCOUVER
VANCOUVER (987)	MUSQUEAM	254	VANCOUVER
VANCOUVER (987)	DOUGLAS	432	VANCOUVER
VANCOUVER (987)	KWAW-KWAW-A-PILT	63	VANCOUVER
VANCOUVER (987)	COQUITLAM	89	VANCOUVER
VANCOUVER (987)	SCOWLITZ	237	VANCOUVER
VANCOUVER (987)	CHEHALIS	907	VANCOUVER
VANCOUVER (987)	KLAHOOSE	1358	VANCOUVER
VANCOUVER (987)	CHEAM	502	VANCOUVER
VANCOUVER (987)	SKWAH	342	VANCOUVER
VANCOUVER (987)	CAYOOSE CREEK	687	VANCOUVER
VANCOUVER (987)	SQUAMISH	2026	VANCOUVER
VANCOUVER (987)	BURRARD	108	VANCOUVER
VANCOUVER (987)	OHAMIL	404	VANCOUVER
VANCOUVER (987)	BRIDGE RIVER	3940	VANCOUVER
VANCOUVER (987)	SECHELT	1029	VANCOUVER
VANCOUVER (987)	BELLA COOLA	2024	VANCOUVER
VANCOUVER (987)	SLIAMMON	1907	VANCOUVER
VANCOUVER (987)	ANDERSON LAKE	804	VANCOUVER
VANCOUVER (987)	POPKUM	151	VANCOUVER
VANCOUVER (987)	MATSQUI	419	VANCOUVER
VANCOUVER (987)	SKOOKUM CHUCK	676	VANCOUVER
VANCOUVER (987)	AITCHELITZ	21	VANCOUVER
VANCOUVER (987)	LANGLEY	557	VANCOUVER
	TOTAL, VANCOUVER	56946	
	TOTAL, BASED ON MOF DATA	40591	
	GR. TOTAL, ALL REGIONS	339747	
	GR. TOTAL, BASED ON MOF	337668	
ALL REGIONS (UNCORRECTED)	ATLANTIC	29838	
	QUEBEC	74567	
	ONTARIO	699032	
	MANITOBA	213097	
	SASKATCHEWAN	615071	
	ALBERTA	656592	
	BRITISH COLUMBIA	300378	339747
	NORTHWEST TERRITORIES	13562	
	YUKON	3194	
	CANADA	2648632	

SOURCE: INDIAN AND NORTHERN AFFAIRS CANADA. Schedule of Indian Bands, reserves and settlements. Program Planning and Policy Coordination. Indian and Inuit Affairs Program. June 1, 1985.

file: 2888
comp.file: IRESAREA
Sorted by Forest Region

INDIAN RESERVES BY REGION DISTRICT AND BAND
March 28, 1992

DISTRICT	BAND	AREA	FOREST REGION

Lillooet and Bonaparte Band reserve areas have been updated as of Mar. 1992 (1370 ha). The actual area by Forest Region may vary slightly because all of the reserves for one Band were assigned to a single Forest Region based on the location of the majority of Reserve land in that region. The maximum estimated error associated with this procedure is +/- 1000 ha per Forest Region.

APPENDIX V

TSA DATA FROM THE MINISTRY OF FORESTS: UNADJUSTED

File: 2888 March 29,

File name:ALLTSA LAND AREA BY OWNERSHIP CLASS AND TSA

ALL REGIONS-RAW TSA DATA

OWNERSHIP CODE	CARIBOO REGION	KAMLOOPS REGION	NELSON REGION	VANCOUVER REGION	P. RUPERT REGION	P. GEORGE REGION	ALL REGIONS
40	333734	696908	587244	292034	223599	1196105	3229625
50	1140	3415	64	1772	4265	2438	13094
51	0		3536	5523			9059
52	34516	[illegible]	15761	40591	48453	41220	337668
53	227	[illegible]		1200		4271	5809
54	0		20197				20197
60	9292	3806	1409	1334	162	2172	18175
61	7174	10271	34608	11747	20798	4726	89324
62	7499891	5575301	5041418	6923798	21285352	29308951	75634701
63	1395	11730	54670	7066	7529	143078	225518
64	2	80	10	178	131	25529	25930
65	15	165	30	303	5	13	531
66	0		27		10	205	242
67	17216	18082	15553	54727	235298	27947	368823
68	0		50753	10700		1506	62959
69	21422	48685	495965	21201	59082	44360	690716
70	19	27457	11155	195249	2483	7566	243929
71	0						0
72	0						0
74	0	545		58296	2253		61094
75	1200	1892	28723				31815
76	6	972	1924	820	67		4689
77	1683	930	9988	1349	756	2387	17078
78	0					17383	17383
79	0	3				101638	101641
81	1515		592	6419	4	3292	11822
90	20						20
91							0
92							0
93						672	672
95							0
96							0
98	1051	128	878	156	1701		3913
TOTAL	7921495	6557258	6375504	7624462	21891948	30935680	81326327

Source: Ministry of Forests, Inventory Branch, TSA Reports, unadjusted by T.M. Trieger.

Excludes major parks, major recreation areas and Tree Farm Licenses

APPENDIX VI

LIST OF FEDERAL AND PROVINCIAL PARKS AND ECOLOGICAL RESERVES BY FOREST REGION

FILE: 2B9E MARCH 29, 1992

AREA IN HA OF ECOLOGICAL RESERVES

SORTED BY REGION

RESERVE NO.	NAME	YEAR	GROSS AREA	MARINE WATER	NET AREA	FOREST REGION	ACTUAL MAP
25	WESTWICK LAKE	72	27	0	27	C	0920/16
53	NARCOSLI LAKE	73	1098	0	1098	C	093C/16
55	CARDIFF MOUNTAIN	74	65	0	65	C	0920/05
64	ILGACHUZ RANGE	75	2914	0	2914	C	093C/14
65	CHASM	75	197	0	197	C	092P/03
101	DOC ENGLISH BLUF	81	52	0	52	C	0920/16
127	BIG CREEK	90	257	0	257	C	0920/15
	TOTAL		4610	0	4610		
3	SOAP LAKE	71	884	0	884	K	0921/06
5	LILY PAD LAKE	71	101	0	101	K	082L/02
6	BUCK HILLS ROAD	71	16	0	16	K	082L/02
7	TROUT CREEK	71	75	0	75	K	082E/12
27	WHIPSAW CREEK	71	32	0	32	K	092H/07
29	TRANQUILLE	71	235	0	235	K	092I/10
30	VANCE CREEK	72	49	0	49	K	082L/07
33	FIELD'S LEASE	72	4	0	4	K	082E/04
34	BIG WHITE MOUNTA	72	951	0	951	K	082E/10
42	MARA MEADOWS	72	189	0	189	K	082L/11
43	MOUNT GRIFFIN	72	1376	0	1376	K	082L/15
49	KINGFISHER CREEK	73	1441	0	1441	K	082L/15
51	BROWNE LAKE	73	124	0	124	K	082E/14
61	UPPER SHUSWAP RI	75	70	0	70	K	082L/09
77	CAMPBELL-BROWN	77	107	0	107	K	082L/03
89	SKWAKA LAKE	78	850	0	850	K	0921/05
92	SKIMIST	78	36	0	36	K	0921/05
100	HAYNE'S LEASE	80	101	0	101	K	082E/04
105	COUGAR CANYON	81	550	0	550	K	082L/03
110	MCQUEEN CREEK	82	35	0	35	K	0921/16
130	MAHONEY LAKE	90	29	0	29	K	082E/05
	TOTAL		7255	0	7255		
19	MOUNT SABINE	71	8	0	8	N	082J/04
20	COLUMBIA LAKE	71	32	0	32	N	082J/04
28	PAP CREEK	71	121	0	121	N	082J/04
31	LEW CREEK	72	815	0	815	N	082K/11
32	EVANS LAKE	72	185	0	185	N	082F/13
56	GOOSEBERRY CREEK	74	2185	0	2185	N	083D/01
104	GILDROSIE CREEK	81	58	0	58	N	082G/04
	TOTAL		3404	0	3404		
8	CLAYHURST	71	316	0	316	PE	094A/01
36	MACKINNON ESKER	72	583	0	583	PE	093J/12
38	TAKLA LAKE	72	263	0	263	PG	093K/05
39	SUNBEAM CREEK	72	511	0	511	PG	093H/08
41	TACHEEDA LAKES	72	526	0	526	PE	093J/09
46	SIKANNI CHIEF RI	73	2401	0	2401	PG	094F/08
47	PARKER LAKE	73	259	0	259	PE	094J/15

FILE: 2828 MARCH 29, 1992

AREA IN HA OF ECOLOGICAL RESERVES

SORTED BY REGION

RESERVE NO.	NAME	YEAR	GROSS AREA	MARINE WATER	NET AREA	FOREST REGION	ACTUAL MAP
50	CECIL LAKE	73	129	0	129	P6	094A/07
60	DRYMILLIAM LAKE	75	95	0	95	P6	093K/02
62	FORT NELSON RIVE	75	121	0	121	P6	094J/15
70	MOUNT TINSDALE	75	419	0	419	P6	093H/03
71	BLACKWATER CREEK	75	234	0	234	P6	0930/12
72	NECHAKO RIVER	75	133	0	133	P6	0936/14
73	TORKELSEN LAKE	75	182	0	182	P6	093M/02
78	MERIDIAN ROAD-VA	77	262	0	262	P6	093F/09
79	CHILAKO RIVER	77	64	0	64	P6	0936/12
80	SMITH RIVER	77	1326	0	1326	P6	094M/09
81	MORICE RIVER	77	358	0	358	P6	093L/02
82	CINEMA BOS	77	68	0	68	P6	0936/01
84	ALEZA LAKE	78	242	0	242	P6	093J/01
85	PATSUK CREEK	78	554	0	554	P6	0920/11
86	BEDNESTI LAKE	78	139	0	139	P6	0936/14
87	HEATHER LAKE	78	235	0	235	P6	0930/11
91	RASPBERRY HARBOU	78	142	0	142	P6	094C/01
107	CHUNAMUN CREEK	81	344	0	344	P6	094C/01
134	ELLIS ISLAND	91	1	0	1	P6	093K/02
	TOTAL		9908	0	9908		
57	CHICKENS NECK MO	75	680	0	680	PR	1041/13
58	BLUE/BEABE RIVER	75	777	0	777	PR	104P/14
59	NINGUNSAW RIVER	75	2046	0	2046	PR	104B/16
63	SKEENA RIVER	75	91	0	91	PR	103I/06
68	GLADYS LAKE	75	48560	0	48560	PR	104H/10
102	CHARLIE COLE CRE	81	162	0	162	PR	1040/05
114	WILLIAMS CREEK	85	700	0	700	PR	103I/08
115	GINGIETL CREEK	85	2873	0	2873	PR	103P/03
133	GAMBLE CREEK	91	1026	0	1026	PR	103I
	TOTAL		56915	0	56915		
40A	KINGCOME RIVER	72	158	0	158	V	092M/01
40B	ATLATZI RIVER	72	256	0	256	V	092M/01
1	CLELAND ISLAND	71	8	0	8	V	092E/01
2	EAST REDONDA ISL	71	6212	6141	71	V	092K/02
4	LASQUETI ISLAND	71	201	0	201	V	092F/08
9	TOM HILL	71	514	0	514	V	102I
10	ROSE SPIT	71	170	0	170	V	103I
11	SARTINE ISLAND	71	13	0	13	V	092L
12	BERESFORD ISLAND	71	8	0	8	V	092L
13	ANNE VALLEE (TRI	71	85	0	85	V	092L
14	SOLANDER ISLAND	71	8	0	8	V	092L/04
15	SATURNA ISLAND	71	131	0	131	V	092B/14
16	MOUNT TUAM	71	254	0	254	V	092B/11
17	CANOE ISLETS	71	1	0	1	V	0926/04
18	ROSE ISLETS	71	1	0	1	V	0926/04
21	SKAGIT RIVER FOR	71	73	0	73	V	092H/02
22	ROSS LAKE	71	61	0	61	V	092H/03

FILE: 2888

MARCH 29, 1992

AREA IN HA OF ECOLOGICAL RESERVES

SORTED BY REGION

RESERVE NO.	NAME	YEAR	GROSS AREA	MARINE WATER	NET AREA	FOREST REGION	ACTUAL MAP
23	MOORE/MCKENNEY/W	71	73	0	73	V	093D
24	BAERIA ROCKS	71	53	50	3	V	092C/14
25	DEWDNEY AND GLID	71	3845	158	3687	V	103H
28	AMBROSE LAKE	71	228	0	228	V	092F/09
37	MOUNT MAXWELL	72	65	0	65	V	092B/13
44		72	MORESBY			V	
45	VLADIMIR J. KRAJ	73	9834	1125	8709	V	103F/10
48	BOWEN ISLAND	73	397	0	397	V	0926/06
52	DRIZZLE LAKE	73	837	0	837	V	103F/16
54	NITINAT LAKE	74	79	0	79	V	092C/15
66	TEN MILE POINT	75	11	10	1	V	092B/06
67	SATELLITE CHANNE	75	343	333	10	V	092B/11
69	BAYNES ISLAND	75	71	0	71	V	0926/14
74	UBC ENDOWMENT LA	75	90	0	90	V	0926/03
75	CLAYOQUICK CREEK	76	37	0	37	V	092L/03
76	FRASER RIVER	77	76	0	76	V	0926/01
83	SAN JUAN RIDGE	77	98	0	98	V	092C/09
89	SKAGIT RIVER COT	78	69	0	69	V	092H/03
90	SUTTON PASS	78	3	0	3	V	092F/04
93	LEPAS BAY	78	4	0	4	V	103F
94	OAK BAY ISLANDS	79	211	204	7	V	092B/06
95		79	MORESBY			V	
96		79	MORESBY			V	
97	RACE ROCKS	80	220	218	2	V	092B/05
98	CHILLIWACK RIVER	80	86	0	86	V	092H/03
99	PITT POLDER	80	88	0	88	V	0926/07
102	BYERS/CONROY/HAR	81	12205	12135	70	V	093D
105	HESIN RIVER	81	50	0	50	V	092E/08
106	SKAGIT RIVER RMG	81	70	0	70	V	092H/03
109	CHECLESET BAY	81	34650	34300	350	V	092L/03
111	ROBSON BIGHT	82	1750	1200	550	V	092L/07
112	MOUNT TZUHALEM	84	18	0	18	V	092B/13
113	HONEYMOON BAY	84	8	0	8	V	092C/16
116	KATHERINE TYE	86	3	0	3	V	092H/04
117	HALEY LAKE	87	93	0	93	V	092F/01
118	KIMPKISH RIVER	88	18	0	18	V	092L/01
119	TAHSISH RIVER	88	70	0	70	V	092L/03
120	DUKE OF EDINBURG	88	660	610	50	V	092L/13
121	BRACKMAN ISLAND	89	35	0	35	V	092B/11
122	TSITIKA MOUNTAIN	89	554	0	554	V	092L/11
123	MOUNT DERBY	89	557	0	557	V	092L
124	TSITIKA RIVER	89	110	0	110	V	092L/08
125	MOUNT ELLIOT	89	324	0	324	V	092L/07
126	CLAUD ELLIOT CRE	89	231	0	231	V	092L/07
128	GALIANO ISLAND	90	30	0	30	V	092B/13
129	KLASKISH RIVER	90	132	0	132	V	092L/05
131	STOYOMA CREEK	90	76	0	76	V	092H/14
132	TRIAL ISLANDS	90	23	7	16	V	092B/06
		TOTAL	76642	56494	20148		

FILE: 2888 MARCH 29, 1992

AREA IN HA OF ECOLOGICAL RESERVES

SORTED BY REGION

RESERVE NO.	NAME	YEAR	GROSS AREA	MARINE WATER	NET AREA	FOREST REGION	ACTUAL MAP
	PROVINCIAL TOTAL		158734	56494	102240		
	TOTAL TO CHECK TO:		158734		102240		

source: dBase IV file from R. Ferguson, Ministry of Environment & Parks
Net area calculated from map planimetry or visual estimation from the office of T.M. Thomson.

File: 2888 March 29, 1992

B.C. PROVINCIAL PARKS

Sorted by Region, TSA, alphabetically

NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
Big Bar Lake	332	092P/05	69	29	100 MILE H	C	332	332	
Bridge Lake	6	092P/07	56	40	100 MILE H	C	6	6	
Bridge Lake Centennial	5	092P/07	58	41	100 MILE H	C	5	5	
Canim Beach	6	092P/15	56	52	100 MILE H	C	6	6	
Caribou Nature	98	092P/13	65	54	100 MILE H	C	98	98	
Chasm	141	092P/03	40	62	100 MILE H	C	141	141	
Green Lake Arrowhead	2	092P/06	75	136	100 MILE H	C	2	2	
Green Lake Black Bear	5	092P/06	75	137	100 MILE H	C	5	5	
Green Lake Blue Spring	4	092P/06	75	138	100 MILE H	C	4	4	
Green Lake Boyd Bay	27	092P/06	75	139	100 MILE H	C	27	27	
Green Lake Buckside Hill	42	092P/06	75	140	100 MILE H	C	42	42	
Green Lake Emerald Bay	29	092P/06	75	141	100 MILE H	C	29	29	
Green Lake Green L.Islan	119	092P/06	75	142	100 MILE H	C	119	119	
Green Lake Little Arrow	3	092P/06	75	143	100 MILE H	C	3	3	
Green Lake Nolan Creek	3	092P/06	75	144	100 MILE H	C	3	3	
Green Lake Sunset View	113	092P/06	75	145	100 MILE H	C	113	113	
Green Lake (Multi Sites)	0	092P/06	75	135	100 MILE H	C	0	0	
Lac La Hache	24	092P/13	56	197	100 MILE H	C	24	24	
Loon Lake	3	092P/03	56	205	100 MILE H	C	3	3	
Ruth Lake	30	092P/14	59	300	100 MILE H	C	30	30	
Barkerville	55	093H/04	59	21	QUESNEL	C	55	55	
Bowron Lake	123117	093H/02	61	35	QUESNEL	C	123117	0	
Pinnacles	124	093B/15	69	271	QUESNEL	C	124	124	
Puntchesakut Lake	38	093B/15	80	282	QUESNEL	C	38	38	
Ten Mile Lake	253	093G/01	62	379	QUESNEL	C	253	253	
Cottonwood House Histori	11	093G/01	63	79	QUESNEL ?	C	11	11	
Cottonwood River	66	093G/01	56	80	QUESNEL ?	C	66	66	
Wendle	259	093H/03	41	404	QUESNEL ?	C	259	259	
Horsefly Lake	148	093A/05	74	156	WILLIAMS L	C	148	148	
White Pelican	1247	093B/08	71	410	WILLIAMS L	C	1247	1247	
Cedar Point	8	093A/12	62	58	WILLIAMS L	C	8	8	
REGIONAL TOTAL	126318						126318	3201	0
Adams Lake	56	082L/13	64	1	KAMLOOPS	K	56	56	
Juniper Beach	260	092I/14	89	168	KAMLOOPS	K	260	260	
Monte Lake	8	082L/12	56	229	KAMLOOPS	K	8	8	
Niskonlith Lake	238	082L/13	75	253	KAMLOOPS	K	238	238	
North Thompson River	126	092P/09	67	255	KAMLOOPS	K	126	126	
Roderick Haig-Brown	988	082L/12	77	292	KAMLOOPS	K	988	988	
Savona	2	092I/15	56	308	KAMLOOPS	K	2	2	
Spahats Creek	270	092P/09	65	351	KAMLOOPS	K	270	270	
Wells Gray	515785	082M/13	39	402	KAMLOOPS	K	515785	0	
Wells Gray	13963	083D/12	95	403	KAMLOOPS	K	13963	0	
Downing	100	092I/12	70	93	LILLOOET	K	100	100	
Gildean	5	092I/08	56	122	LILLOOET	K	5	5	
Marble Canyon	335	092I/12	58	214	LILLOOET	K	335	335	
Seton Portage Historic	1	092I/09	72	319	LILLOOET	K	1	1	
Skihist	33	092I/05	56	344	LILLOOET	K	33	33	
Allison Lake	23	092H/10	60	5	MERRITT	K	23	23	
Bromley Rock	149	092H/09	56	44	MERRITT	K	149	149	
Coldwater River	76	092H/11	86	72	MERRITT	K	76	76	
Kentucky-Alleyne	144	092H/15	91	172	MERRITT	K	144	144	

File: 2838 March 29, 1992
B.C. PROVINCIAL PARKS
Sorted by Region, TSA, alphabetically

NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
Lac Le Jeune	47	092I/08	56	198	MERRITT	K	47	47	
Monck	87	092I/02	51	226	MERRITT	K	87	87	
Otter Lake	51	092H/10	63	263	MERRITT	K	51	51	
Paul Lake	402	092I/09	61	265	MERRITT	K	402	402	
Pennask Lake	244	092H/16	75	268	MERRITT	K	244	244	
Stake-McConnell	189	092I/09	87	358	MERRITT	K	189	189	
Stemwinder	4	092H/05	56	360	MERRITT	K	4	4	
Walloper Lake	55	092I/07	87	398	MERRITT	K	55	55	
Apex Mountain	575	082E/05	61	7	OKANAGAN	K	575	575	
Bear Creek	178	082E/13	81	22	OKANAGAN	K	178	178	
Cathedral	33272	092H/01	69	57	OKANAGAN	K	33272	0	
Celista	2	082L/14	58	59	OKANAGAN	K	2	2	
Christie Memorial	3	082E/05	65	68	OKANAGAN	K	3	3	
Cinnemousun Narrows	181	082L/14	56	70	OKANAGAN	K	181	181	
Darke Lake	1470	082E/12	43	87	OKANAGAN	K	1470	1470	
Echo Lake	154	082L/02	56	102	OKANAGAN	K	154	154	
Ellison	219	082L/03	62	108	OKANAGAN	K	219	219	
Eneas Lakes	1036	082E/12	68	110	OKANAGAN	K	1036	1036	
Gardom Lake	24	082L/11	61	127	OKANAGAN	K	24	24	
Haynes Point	38	082E/03	62	151	OKANAGAN	K	38	38	
Herald	79	082L/14	75	154	OKANAGAN	K	79	79	
Inkaneep	21	082E/04	56	159	OKANAGAN	K	21	21	
Kalamalka Lake	979	082L/03	75	170	OKANAGAN	K	978	978	
Kekuli Bay	57	082L/03	90	419	OKANAGAN	K	57	57	
Keremeos Columns	20	082E/04	31	173	OKANAGAN	K	20	20	
Kickininee	49	082E/12	70	175	OKANAGAN	K	49	49	
Mabel Lake	187	082L/07	72	208	OKANAGAN	K	187	187	
Mara	5	082L/11	38	212	OKANAGAN	K	5	5	
Mara Point	4	082L/15	62	213	OKANAGAN	K	4	4	
Nickel Plate	105	082E/05	38	251	OKANAGAN	K	105	105	
Okanagan Falls	2	082E/05	56	257	OKANAGAN	K	2	2	
Okanagan Lake	99	082E/12	55	258	OKANAGAN	K	99	99	
Okanagan Mountain	10850	082E/12	73	259	OKANAGAN	K	10850	0	
Pearse	1	082L/05	74	267	OKANAGAN	K	1	1	
Shuswap Lake	124	082L/14	56	305	OKANAGAN	K	124	124	
Shuswap LM. - Albas	124	082L/14	80	321	OKANAGAN	K	124	124	
Shuswap LM. - Anstey Vie	13	082L/14	80	322	OKANAGAN	K	13	13	
Shuswap LM. - Beach Bay	36	082L/14	80	323	OKANAGAN	K	36	36	
Shuswap LM. - Encounter	20	082L/14	80	324	OKANAGAN	K	20	20	
Shuswap LM. - Four Mile	90	082L/14	80	325	OKANAGAN	K	90	90	
Shuswap LM. - Fowler Pt.	21	082L/14	80	326	OKANAGAN	K	21	21	
Shuswap LM. - Hermit Bay	51	082L/14	80	327	OKANAGAN	K	51	51	
Shuswap LM. - Horseshoe	14	082L/14	80	328	OKANAGAN	K	14	14	
Shuswap LM. - Hungry Cov	54	082L/14	80	329	OKANAGAN	K	54	54	
Shuswap LM. - Marble Pt.	112	082L/14	80	330	OKANAGAN	K	112	112	
Shuswap LM. - Nielsen Pt	12	082L/14	80	331	OKANAGAN	K	12	12	
Shuswap LM. - Paradise P	66	082L/14	80	332	OKANAGAN	K	66	66	
Shuswap LM. - Twin Bays	15	082L/14	80	333	OKANAGAN	K	15	15	
Shuswap LM. - Two Mile	17	082L/14	80	334	OKANAGAN	K	17	17	
Siccanous Beach	10	082L/15	61	336	OKANAGAN	K	10	10	
Silver Beach	76	082M/02	69	338	OKANAGAN	K	76	76	
Silver Star	9714	082L/06	40	340	OKANAGAN	K	9714	~~9714~~ should be 0.	
Sunnybrae	25	082L/14	75	371	OKANAGAN	K	25	25	

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Sorted by Region, TSA, alphabetically

NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
Sun-Oka Beach	30	082E/12	69	370	OKANAGAN	K	30	30	
Truman D. Locheed	7	082L/03	73	388	OKANAGAN	K	7	7	
Vaseux Lake	12	082E/05	56	396	OKANAGAN	K	12	12	
Yard Creek	61	082L/15	56	417	OKANAGAN	K	61	61	
White Lake	16	082L/14	65	409	OKANAGAN ?	K	16	16	
REGIONAL TOTAL	592770						592770	0 10385	0
Arrow Lakes - Burton	18	082F/13	81	10	ARROW	N	18	18	
Arrow Lakes - Eagle	38	082E/16	81	11	ARROW	N	38	38	
Arrow Lakes - Fauquier	16	082E/16	81	12	ARROW	N	16	16	
Beaver Creek	44	082F/04	65	26	ARROW	N	44	44	
Champion Lakes	1424	082F/04	55	60	ARROW	N	1424	0	
Inonoaklin	12	082E/16	29	150	ARROW	N	12	12	
King George VI	152	082F/04	37	180	ARROW	N	152	152	
McDonald Creek	468	082K/04	82	219	ARROW	N	468	468	
Monashee	7514	082L/08	62	225	ARROW	N	7514	7514?	
Nancy Greene	8086	082F/04	69	249	ARROW	N	8086	8086?	
Nancy Greene	203	082F/04	72	248	ARROW	N	203	0	
Pisebery	32	082K/03	59	295	ARROW	N	32	32	
Summit Lake	6	082K/04	64	369	ARROW	N	6	6	
Syringa Creek	226	082F/05	69	373	ARROW	N	226	226	
Valhalla	49500	082F/14	83	395	ARROW	N	49500	0	
Arrow Lakes - Shelter Ba	21	082K/12	57	13	ARROW ?	N	21	21	
Brilliant Terrace	116	082F/05	59	43	ARROW ?	N	116	116	
Erie Creek	15	082F/03	65	112	ARROW ?	N	15	15	
Boundary Creek	2	082E/02	56	34	BOUNDARY	N	2	2	
Christina Lake	6	082E/01	71	69	BOUNDARY	N	6	6	
Conkle Lake	597	082E/03	73	74	BOUNDARY	N	597	597	
Jewel Lake	49	082E/02	81	163	BOUNDARY	N	49	49	
Johnstone Creek	38	082E/03	56	167	BOUNDARY	N	38	38	
Kettle River	179	082E/02	72	174	BOUNDARY	N	179	179	
Ole Jonnson	15	082E/01	73	261	BOUNDARY	N	15	15	
Rock Creek	2	082E/02	63	291	BOUNDARY	N	2	2	
Texas Creek	112	082E/01	87	381	BOUNDARY	N	112	112	
Akamina-Kishinena	11315	0826/01	85	2	CRANBROOK	N	11315	1	
Crowsnest	46	0826/10	60	82	CRANBROOK	N	46	46	
Elk Lakes	11620	082J/06	85	105	CRANBROOK	N	11620	0	
Elk Lakes	5625	082J/11	73	104	CRANBROOK	N	5625	0	
Elk Valley	81	0826/10	60	106	CRANBROOK	N	81	81	
Elko	22	0826/08	58	107	CRANBROOK	N	22	22	
Jimsmith Lake	12	0826/05	56	164	CRANBROOK	N	12	12	
Kikomun Creek	682	0826/03	72	176	CRANBROOK	N	682	682	
Morrissey	5	0826/06	62	221	CRANBROOK	N	5	5	
Mount Fernie	259	0826/06	59	227	CRANBROOK	N	259	259	
Moyie Lake	90	0826/05	59	243	CRANBROOK	N	90	90	
Norbury Lake	97	0826/11	58	254	CRANBROOK	N	97	97	
Wardner	4	0826/06	77	400	CRANBROOK	N	4	4	
Burges & James Gadsden	352	082N/06	65	17	GOLDEN	N	352	352	
Hamber	24518	0830/05	41	150	GOLDEN	N	24518	24518?	
Marl Creek	167	082N/06	91	215	GOLDEN ?	N	167	167	
Canal Flats	6	082J/04	81	51	INVERMERE	N	6	6	
Columbia Lake	260	082J/05	88	73	INVERMERE	N	260	260	

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B.C. PROVINCIAL PARKS
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	NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
	Dry Gulch	29	082K/09	56	97	INVERMERE	N	29	29	
	James Chabot	14	082K/09	79	14	INVERMERE	N	14	14	
	Mount Assiniboine	39052	082J/13	22	234	INVERMERE	N	39052	0	
	Premier Lake	662	0826/13	40	276	INVERMERE	N	662	662	
	Purcell Wilderness Conse	131523	082F/15	74	283	INVERMERE	N	131523	0	
	St. Mary's Alpine	9146	082F/15	73	303	INVERMERE	N	9146	9146?	
	Thunder Hill	44	082J/04	60	382	INVERMERE	N	44	44	
o	Top of the World	8791	0826/14	73	384	INVERMERE	N	8791	8791	
2	Whitetwan Lake	1994	082J/03	78	411	INVERMERE	N	1994	1994	
	Wasa Lake	144	0826/13	55	401	INVERMERE	?N	144	144	
	Bugaboo Alpine	24912	082K/15	69	48	KOOTENAY L	N	24912	0	
	Bugaboo Glacier	362	082K/10	69	49	KOOTENAY L	N	362	362	
o	Cody Caves	63	082F/10	66	71	KOOTENAY L	N	63	63	
	Drewry Point	21	082F/07	70	94	KOOTENAY L	N	21	21	
•	Fry Creek Canyon	550	082K/02	74	124	KOOTENAY L	N	550	550	
	Grohman Narrows	10	082F/10	81	146	KOOTENAY L	N	10	10	
•	Kokanee Creek	260	082F/11	55	186	KOOTENAY L	N	260	260	
	Kokanee Glacier	25832	082F/11	22	187	KOOTENAY L	N	25832	0	
	Kokanee Glacier	6305	082F/11	87	188	KOOTENAY L	N	6305	0	
	Kootenay Lake - Campbell	25	082F/15	87	190	KOOTENAY L	N	25	25	
	Kootenay Lake - Coffee C	52	082F/10	87	191	KOOTENAY L	N	52	52	
	Kootenay Lake - Davis Cr	5	082K/02	87	192	KOOTENAY L	N	5	5	
	Kootenay Lake - Lost Led	38	082K/02	87	193	KOOTENAY L	N	38	38	
•	Kootenay Lake - Midge Cr	223	082F/07	87	194	KOOTENAY L	N	223	223	
	Lardeau	12	082K/02	56	201	KOOTENAY L	N	12	12	
	Lockhart Beach	3	082F/10	33	204	KOOTENAY L	N	3	3	
•	Pilot Bay	347	082F/10	64	270	KOOTENAY L	N	347	347	
	Ryan	58	082F/01	59	301	KOOTENAY L	N	58	58	
?	Stagleap	1133	082F/02	64	357	KOOTENAY L	N	1133	1133	
•	Trout Lake	316	082K/06	87	387	KOOTENAY L	N	316	316	
	Yank	9	082F/01	56	416	KOOTENAY L	N	9	9	
	Blanket Creek	316	082L/16	82	32	REVELSTOKE	N	316	316	
	Victor Lake	15	082L/16	61	397	REVELSTOKE	?N	15	15	
	REGIONAL TOTAL	376218						376218	0 19742	0
	East Pine	14	093P/11	82	100	DAWSON C	PG	14	14	
	Gwillim Lake	9199	093P/05	71	147	DAWSON C	PG	9199	~~9199~~ 0	
	Kiskatinaw	58	093P/15	62	181	DAWSON C	PG	58	58	
	Moberly Lake	98	093P/13	65	224	DAWSON C	PG	98	98	
	Monkman	40170	093I/11	81	227	DAWSON C	PG	40170	0	
	One Island Lake	61	093P/08	79	262	DAWSON C	PG	61	61	
	Sudeten	5	093P/05	69	366	DAWSON C	PG	5	5	
	Sukunka Falls	360	093P/05	81	367	DAWSON C	PG	360	360	
	Swan Lake	67	093P/09	86	372	DAWSON C	PG	67	67	
	Dunlevy	110	094B/01	79	98	DAWSON C ?	PG	110	110	
	Muncho Lake	88416	094K/13	57	244	FORT NELSON	PG	88416	0	
	Stone Mountain	25691	094K/07	57	362	FORT NELSON	PG	25691	0	
	Wokkpash	37900	094K/07	86	414	FORT NELSON	PG	37900	0	
	Andy Bailey	174	094J/09	79	6	FT ST JOHN	PG	174	174	
	Beatton	312	094A/07	34	23	FT ST JOHN	PG	312	312	
	Buckinghorse River Way	55	094G/07	70	47	FT ST JOHN	PG	55	55	
	Charlie Lake	92	094A/07	64	61	FT ST JOHN	PG	92	92	

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NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
Kledo Creek	6	094J/13	63	185	FT ST JOHN	PG	6	6	
Liard River Hotsprings	668	094N/08	57	202	FT ST JOHN	PG	668	668	
Maxhamish Lake	520	094O/14	83	217	FT ST JOHN	PG	520	520	
Prophet River	115	094G/15	77	280	FT ST JOHN	PG	115	115	
Taylor Landing	2	94A/02	78	377	FT ST JOHN	PG	2	2	
Tetsa River	115	094J/12	80	380	FT ST JOHN	PG	115	115	
Bijoux Falls	41	093O/07	56	30	MACKENZIE	PG	41	41	
Kwadacha	44031	094F/10	87	195	MACKENZIE	PG	44031	44031?	
Kwadacha Wilderness	114444	094F/10	73	196	MACKENZIE	PG	114444	0	
Tatlatui	105829	094B/13	73	375	MACKENZIE	PG	105829	0	
Tudyah Lake	56	093O/03	81	389	MACKENZIE	PG	56	56	
Beaumont	191	093K/02	60	24	PRINCE G	PG	191	191	
Carp Lake	19344	093J/11	73	55	PRINCE G	PG	19344	0	
Crooked River	873	093J/07	65	81	PRINCE G	PG	873	873	
Dahl Lake	749	093G/14	81	86	PRINCE G	PG	749	749	
Eskers	1603	093J/03	87	113	PRINCE G	PG	1603	1603	
Kakwa	127690	093H/16	87	169	PRINCE G	PG	127690	0	
Paarens Beach	43	093K/08	72	264	PRINCE G	PG	43	43	
Purden Lake	140	093N/13	71	284	PRINCE G	PG	140	140	
Souches Bay	13	093K/08	89	350	PRINCE G	PG	13	13	
Stuart Lake	315	093K/10	71	365	PRINCE G	PG	315	315	
West Lake	256	093G/10	81	405	PRINCE G	PG	256	256	
Whiskers Point	45	093J/15	56	408	PRINCE G	PG	45	45	
Whiskers Point	45	093J/15	56	427	PRINCE G	PG	45	45	
Fort McLeod Historic	3	093J/14	71	121	PRINCE G ?	PG	3	3	
Mount Robson	219534	083D/15	13	240	ROBSON V	PG	219534	0	
Mount Terry Fox	1930	083D/14	82	242	ROBSON V	PG	1930	0	
Rearguard Falls	49	083D/14	91	426	ROBSON V	PG	49	49	
REGIONAL TOTAL	841332						841332	0 7254	0
Babine Mountains	32400	093L/15	84	19	BULKLEY	PR	32400	0	
Driftwood Canyon	23	093L/14	67	95	BULKLEY	PR	23	23	
Tyhee Lake	33	093L/11	56	394	BULKLEY	PR	33	33	
Atlin	232695	104N/04	73	15	CASSIAR	PR	232695	0	
Atlin	38445	104N/01	73	15	CASSIAR	PR	38445	38445?	
Boya Lake	4597	104P/06	65	36	CASSIAR	PR	4597	4597	
Hyland River	34	104P/15	64	157	CASSIAR	PR	34	34	
Kinaskan Lake	1800	104G/09	57	179	CASSIAR	PR	1800	1800	
Mount Edziza	228702	104G/07	72	235	CASSIAR	PR	228702	0	
Mount Edziza	4000	104G/07	72	236	CASSIAR	PR	4000	0	
Spatsizi Plateau Wildern	608225	094E/04	75	352	CASSIAR	PR	608225	0	
Stikine River	217000	094E/04	87	361	CASSIAR	PR	217000	0	
Taranne	3	104N/12	74	374	CASSIAR	PR	3	3	
Teslin Lake	335	104A/03	87	221	YALUE ?	PR	335	335	
Ross Lake	307	093M/05	74	297	KISPIOX	PR	307	307	
Seeley Lake	24	093M/04	56	318	KISPIOX	PR	24	24	
Ethel F. Wilson Memorial	29	093K/05	53	114	LAKES	PR	29	29	
Tweedsmuir (North)	467586	093E/01	38	391	LAKES	PR	467586	0	
Tweedsmuir (North)	20202	093E/01	87	390	LAKES	PR	20202	0	
Wistaria	40	093E/16	91	413	LAKES	PR	40	40	
Dead Man's Island	1	093K/04	33	89	LAKES ?	PR	1	1	
Andrew Bay	45	093E/15	90	422	MORICE	PR	45	45	

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NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
Red Bluff	148	093L/16	78	288	MORICE	PR	148	148	
Topley	12	093L/16	64	385	MORICE	PR	12	12	
Diana Lake	233	103I/01	80	91	NORTHCOAST	PR	233	233	
Exchamsiks River	18	103I/06	56	116	NORTHCOAST	PR	18	18	
Gitnadoix River	58000	103I/03	86	130	NORTHCOAST	PR	58000	0	
Kitsumkalum	40	103I/10	46	182	NORTHCOAST	PR	40	40	
Kleanza Creek	269	103I/09	56	184	NORTHCOAST	PR	269	269	
Lakelse Lake	362	103I/07	56	200	NORTHCOAST	PR	362	362	
Prudhomme Lake	7	103J/01	64	281	NORTHCOAST	PR	7	7	
REGIONAL TOTAL	1915615						1915615	0 8260	0
Arbutus Grove	22	092F/01	66	9	ARROWSMITH	V	22	22	
Ballingall Islets Nature	1	092B/14	80	19	ARROWSMITH	V	1	1	
Bamberton	28	092B/12	60	20	ARROWSMITH	V	28	28	
Beaumont Marine	58	092B/14	80	25	ARROWSMITH	V	58	58	
Beaver Point	16	092B/14	49	27	ARROWSMITH	V	16	16	
Bellhouse	2	092B/14	64	28	ARROWSMITH	V	2	2	
Botanical Beach	351	092C/10	89	33	ARROWSMITH	V	351	351	
Boyle Point	125	092F/07	89	37	ARROWSMITH	V	125	125	
Bright Angel	11	092B/12	58	42	ARROWSMITH	V	11	11	
Cabbage Island Marine	4	092B/14	78	50	ARROWSMITH	V	4	4	
Carmanah Pacific	3592	092 C/1	91	424	ARROWSMITH	V	3592	0	3592
Chemainus River	86	092B/12	59	64	ARROWSMITH	V	86	86	
China Beach	61	092C/08	64	67	ARROWSMITH	V	61	61	
Discovery Island Marine	61	092B/06	72	92	ARROWSMITH	V	61	61	
Drumbeg	20	092G/04	71	96	ARROWSMITH	V	20	20	
D'Arcy Island Marine	84	092B/11	67	85	ARROWSMITH	V	84	84	
Englishman River Falls	97	092F/08	40	111	ARROWSMITH	V	97	97	
Eves	19	092B/13	80	115	ARROWSMITH	V	19	19	
Fillongley	23	092F/10	54	119	ARROWSMITH	V	23	23	
Fossil	53	092F/02	74	122	ARROWSMITH	V	53	53	
French Beach	59	092B/05	74	123	ARROWSMITH	V	59	59	
Gabriola Sands	6	092G/04	80	125	ARROWSMITH	V	6	6	
Gibson Marine	142	092E/08	87	129	ARROWSMITH	V	142	142	
Goldstream	329	092B/05	58	133	ARROWSMITH	V	329	329	
Gordon Bay	51	092C/15	89	134	ARROWSMITH	V	51	51	
Hemlock	69	092F/10	86	152	ARROWSMITH	V	69	69	
Heber	93	092G/04	81	153	ARROWSMITH	V	93	93	
Horne Lake Caves	75	092F/07	71	155	ARROWSMITH	V	75	75	
Isle-De-Lis Marine	5	092B/11	73	162	ARROWSMITH	V	5	5	
John Dean	174	092B/11	21	165	ARROWSMITH	V	174	174	
Koksilah River	210	092B/12	59	189	ARROWSMITH	V	210	210	
Little Qualicum Falls	441	092F/07	40	203	ARROWSMITH	V	441	441	
Loss Creek	21	092C/09	59	206	ARROWSMITH	V	21	21	
MacMillan	135	092F/07	47	209	ARROWSMITH	V	135	135	
Maquinna	39	092E/08	85	211	ARROWSMITH	V	39	39	
Matheson Lake	162	092B/05	56	216	ARROWSMITH	V	162	162	
McDonald	14	092B/11	48	218	ARROWSMITH	V	14	14	
Memory Island	1	092B/12	45	220	ARROWSMITH	V	1	1	
Montague Harbour Marine	97	092B/14	59	228	ARROWSMITH	V	97	97	
Morden Colliery	4	092G/04	72	230	ARROWSMITH	V	4	4	
Mount	21	092B/13	61	233	ARROWSMITH	V	21	21	

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NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
Mount Maxwell	199	092B/13	38	239	ARROWSMITH	V	199	199	
Newcastle Island Marine	336	092G/04	61	250	ARROWSMITH	V	310	310	
Petroglyph	2	092G/04	45	269	ARROWSMITH	V	2	2	
Pirates Cove Marine	31	092G/04	68	272	ARROWSMITH	V	31	31	
Princess Margaret Marine	534	092B/11	67	278	ARROWSMITH	V	534	534	
Prior Centennial	16	092B/14	58	279	ARROWSMITH	V	16	16	
Rathtrevor Beach	347	092F/08	67	286	ARROWSMITH	V	347	347	
Roberts Memorial	14	092G/04	80	290	ARROWSMITH	V	14	14	
Rosewall Creek	63	092F/07	56	296	ARROWSMITH	V	63	63	
Ruckle	486	092B/14	74	298	ARROWSMITH	V	486	486	
Sandwell	12	092G/04	98	305	ARROWSMITH	V	12	12	
Sandy Island Marine	33	092F/10	66	306	ARROWSMITH	V	33	33	
Sidney Spit Marine	399	092B/11	61	337	ARROWSMITH	V	399	399	
Sooke Mountain	450	092B/05	28	348	ARROWSMITH	V	450	450	
Sooke Potholes	7	092B/05	72	349	ARROWSMITH	V	7	7	
Spectacle Lake	65	092B/12	63	353	ARROWSMITH	V	65	65	
Spider Lake	65	092F/07	81	354	ARROWSMITH	V	65	65	
Sproat Lake	39	092F/07	66	355	ARROWSMITH	V	39	39	
Stamp Falls	234	092F/07	40	359	ARROWSMITH	V	234	234	
Taylor Arm	71	092F/06	79	376	ARROWSMITH	V	71	71	
Tribune Bay	95	092F/09	78	385	ARROWSMITH	V	95	95	
Wallace Island Marine	72	092B/13	90	423	ARROWSMITH	V	72	72	
West Shawnigan Lake	9	092B/12	79	406	ARROWSMITH	V	9	9	
Whaleboat Island Marine	10	092G/04	81	407	ARROWSMITH	V	10	10	
Winter Cove	91	092B/14	79	412	ARROWSMITH	V	91	91	
Dionisio Point	142	092 G/4	91	425	ARROWSMITH	V	142	142	
Kin Beach	6	092F/10	66	178	ARROWSMITH	V	6	6	
Mount Mountain Ski	97	092F/11	66	415	ARROWSMITH	V	97	97	
Alexandra Bridge	55	092H/11	84	3	FRASER	V	55	55	
Appdale	9	092G/06	54	8	FRASER	V	9	9	
Bridal Veil Falls	32	092H/04	85	29	FRASER	V	32	32	
Cascade	16880	092H/07	87	56	FRASER	V	16880	0	
Chilliwack Lake	162	092H/03	73	65	FRASER	V	162	162	
Chilliwack River	23	092H/04	61	66	FRASER	V	23	23	
Coquihalla Canyon	150	092H/06	86	75	FRASER	V	150	150	
Coquihalla River	100	092H/06	86	77	FRASER	V	100	100	
Cultus Lake	656	092H/04	48	82	FRASER	V	656	656	
Davis Lake	192	092G/08	60	88	FRASER	V	192	192	
Elk Viewing	85384	092H/02	41	90	FRASER	V	85384	0	
Emory Creek	15	092H/11	56	109	FRASER	V	15	15	
Ferry Island	29	092H/04	62	118	FRASER	V	29	29	
FH Barber	9	092H/05	78	117	FRASER	V	9	9	
Golden Ears	55596	092G/02	27	121	FRASER	V	55596	0	
Indian Arm Marine	5	092G/07	81	158	FRASER	V	5	5	
International Bridge	1905	092H/04	59	161	FRASER	V	1905	1905	
Kawkawa Lake	7	092H/06	68	171	FRASER	V	7	7	
Kilby	3	092H/04	72	177	FRASER	V	3	3	
Mount Judge Howay	8180	092G/02	67	238	FRASER	V	8180	0	
Nicolum River	24	092H/06	56	252	FRASER	V	24	24	
Peace Arch	7	092G/02	39	266	FRASER	V	7	7	
Polley Lake	115	092G/01	61	292	FRASER	V	115	115	
Sasquatch	1217	092H/05	68	307	FRASER	V	1217	1217	
Silver Lake	77	092H/06	64	339	FRASER	V	77	77	

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NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA	HA IN TSA	HA IN TFL
Skagit Valley	32518	092H/03	73	343	FRASER	V	32518	0	
Sumas Mountain	180	092G/01	65	368	FRASER	V	180	180	
Coquihalla Summit	5750	092H/11	87	78	FRASER ?	V	5750	5750	
Mount Seymour	3518	092G/07	36	241	FRASER ?	V	3518	0	
Cape Scott	15870	102I/09	72	53	KINGCOME	V	10400	0	
Echo Bay Marine	2	092L/09	71	101	KINGCOME	V	2	2	
Raft Cove	571	102I/09	90	418	KINGCOME	V	571	571	
Thurston Bay Marine	399	092K/06	70	383	KINGCOME	V	399	399	
Fiordland	91000	092G	87	120	MIDCOAST	V	72800	0	
Hakai	100998	092M	87	148	MIDCOAST	V	49800	0	
Sagar Lake	166	093D/04	65	302	MIDCOAST	V	166	166	
Sir Alexander Mackenzie	5	093D/06	26	342	MIDCOAST	V	5	5	
Tweedsmuir (South)	13126	093I/13	87	392	MIDCOAST	V	13126	0	
Tweedsmuir (South)	493332	093M/13	38	393	MIDCOAST	V	493332	0	
Naikoon	72541	103F/09	73	246	G CHARLOTTEV		72541	0	
Pure Lake	130	103F/09	81	285	G CHARLOTTEV		130	130	
Alice Lake	396	092G/14	56	4	SOO	V	396	396	
Birkenhead Lake	3642	092J/10	63	31	SOO	V	3642	0	
Blackcomb Glacier	250	092J/02	90	421	SOO	V	250	250	
Brandywine Falls	140	092J/03	73	38	SOO	V	140	140	
Garibaldi	194854	092J/09	27	128	SOO	V	194854	0	
Joffre Lakes	1460	092J/07	88	165	SOO	V	1460	1460	
Lake Lovely Water	1300	092G/14	38	199	SOO	V	1300	1300	
Murrin	24	092G/11	62	245	SOO	V	24	24	
Nairn Falls	171	092J/07	66	247	SOO	V	171	171	
Porteau Cove	50	092G/11	81	275	SOO	V	50	50	
Shannon Falls	87	092G/06	84	329	SOO	V	87	87	
Cypress	3511	092G/05	75	84	SOO ?	V	3511	0	
Elk Falls	1087	092K/03	40	103	STRATHCONA	V	1087	1087	
Miracle Beach	135	092F/14	50	222	STRATHCONA	V	135	135	
Morton Lake	67	092F/04	66	102	STRATHCONA	V	67	67	
Octopus Islands Marine	109	092K/06	74	256	STRATHCONA	V	109	109	
Rebecca Spit Marine	177	092K/03	59	287	STRATHCONA	V	177	177	
Rugged Point	518	092B/14	89	299	STRATHCONA	V	518	518	
Schoen Lake	9170	092J/01	77	309	STRATHCONA	V	9170	0	
Strathcona	219304	092F/05	11	363	STRATHCONA	V	219304	0	
Strathcona - Westmin	3018	092F/05	87	364	STRATHCONA	V	3018	1	
Stubbs Peninsula	28781	092L/04	86	45	STRATHCONA	V	17201	0	
Loveland Bay	31	092K/03	66	107	STRATHCONA	V	31	31	
Buttle Lake	1	092B/05	89	46	SUNSHINE C	V	1	1	
Copeland Islands Marine	427	092K/02	71	75	SUNSHINE C	V	427	427	
Desolation Sound Marine	9056	092K/02	73	90	SUNSHINE C	V	9181	0	
Garden Bay Marine	188	092F/03	69	126	SUNSHINE C	V	188	188	
Halfett Bay	309	092G/06	88	149	SUNSHINE C	V	309	309	
Manson's Landing	101	092K/02	74	210	SUNSHINE C	V	101	101	
Pluggers Cove Marine	57	092B/06	60	273	SUNSHINE C	V	57	57	
Porpoise Bay	81	092B/12	71	274	SUNSHINE C	V	81	81	
Princess Louisa Marine	69	093A/04	65	277	SUNSHINE C	V	69	69	
Roberts Creek	40	092G/05	47	289	SUNSHINE C	V	40	40	
Rosario Bay	247	092K/07	89	294	SUNSHINE C	V	247	247	
Saltery Bay	69	092F/16	62	304	SUNSHINE C	V	69	69	
Sargeant Bay	97	092G/05	90	420	SUNSHINE C	V	97	97	
Sechelt Inlets - Halfway	6	092G/12	80	310	SUNSHINE C	V	6	6	

File: 3888 March 29, 1990

B.C. PROVINCIAL PARKS

Sorted by Region, TSA, alphabetically

NAME	TOT. AREA	MAP	YEAR	NO.	T.S.A.	REGION	NET AREA		HA IN TSA	HA IN TFL
Sechelt Inlets - Kunechin	48	0926/12	80	311	SUNSHINE C	V	48		46	
Sechelt Inlets - Nine Mi	6	0926/12	80	312	SUNSHINE C	V	6		6	
Sechelt Inlets - Piper P	5	0926/12	90	313	SUNSHINE C	V	5		5	
Sechelt Inlets - Skaiako	1	0926/12	80	314	SUNSHINE C	V	1		1	
Sechelt Inlets - Thorn	3	0926/12	80	315	SUNSHINE C	V	3		3	
Sechelt Inlets - Tuwanek	7	0926/12	80	316	SUNSHINE C	V	7		7	
Sechelt Inlets - Tzoonie	79	0926/12	80	317	SUNSHINE C	V	79		79	
Simson	461	0926/12	86	341	SUNSHINE C	V	461		461	
Skookumchuck Narrows	123	0926/12	57	345	SUNSHINE C	V	123		123	
Smelt Bay	16	092K/02	72	346	SUNSHINE C	V	16		16	
Smuggler Cove Marine	182	0926/12	71	347	SUNSHINE C	V	182		182	
Squitty Bay	13	092F/08	98	356	SUNSHINE C	V	13		13	
Walsh Cove	85	092K/07	89	399	SUNSHINE C	V	85		85	
Chaster	2	0926/05	70	63	SUNSHINE C	V	2		2	
Kitty Coleman Beach	10	092F/15	44	183	SUNSHINE C	V	10		10	
Mitlenatch Island Nature	155	092F/14	61	223	SUNSHINE C	V	155		155	
Okeover Arm	4	092F/15	79	260	SUNSHINE C	V	4		4	
Teakerne Arm	128	92K/07	89	373	SUNSINE C	V	128		128	
REGIONAL TOTAL	1489487						1378450	0	22353	3592
PROVINCIAL TOTAL	5341740						5230703	0	71297	3592
BALANCE TOTAL TO:	5341740						EXCLUDING MARINE WATERS			

Source: R. Ferguson, Ministry of Lands and Parks. Internal database. Net area does not include marine waters but does include lakes and rivers.

FILE: 2888 MARCH 25, 1992

FEDERAL PARKS

NAME	NET AREA (HA)	FOREST REGION	HA INCLUDED IN TSA	HA INCLUDED IN TFL
GLACIER	134900	N	0	
KOOTENAY	140600	N	0	
MOUNT REVELSTOKE	26000	N	0	
YOHO	131300	N	0	
SUBTOTAL	432800			
PACIFIC RIM	50000	V	0	
SOUTH MORESBY	147000	V	103000	44000
SUBTOTAL	197000			
TOTAL	629800			

Also: CHILKOOT TRAIL
(designated, but not official)
NATIONAL HISTORIC SITES 30

Source: Can. Ministry of Environment, State of the Parks Report, 1991.

OWNERSHIP STATUS OF LAND ON VANCOUVER ISLAND AND THE GULF ISLANDS

File: 2888.R2

Prepared for:

BRITISH COLUMBIA FOREST RESOURCES COMMISSION
Victoria, B.C.

Prepared by:

T.M. THOMSON & ASSOCIATES
Victoria, B.C.

January 1992

January 8, 1992

File: 2888

British Columbia Forest Resources Commission
700 - 747 Fort Street
Victoria, B.C.

Attn: Derrick Curtis
Executive Director

Dear Mr. Curtis:

We are pleased to submit our report "Ownership Status of Land on Vancouver Island and the Gulf Islands".

We were unable to determine easily the area of private land in parcels greater than 10 hectares. The B.C. Assessment Authority advised us a computer listing could be generated from their data files on request for a fee.

If you have any questions or comments on the report, please do not hesitate to call.

Yours truly,

T.M. THOMSON & ASSOCIATES

Stuart J. Macpherson, R.P.F.
Manager, Domestic Forestry

SJM:jl

Enc.

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EXECUTIVE SUMMARY

This report describes the ownership status of land on Vancouver Island and the Gulf Islands. In addition, three important aspects of the administration of private forest land are briefly described: property taxes, log exports regulations, and stumpage and royalty charges.

The total land area of Vancouver Island and the Gulf Islands is estimated at 3 474 758 ha. Approximately 68 percent of this area is owned by federal or provincial governments - 55 percent within Provincial forests and 13 percent outside of Provincial forests. Crown land within Provincial forests is entirely owned by the provincial government.

Crown land in a Provincial forest is available for long-term integrated resource management, including timber harvesting. In contrast, Crown land outside of Provincial forests consists of parks, ecological reserves, recreation areas, and other reserved land on which timber harvesting is usually prohibited.

Of the 1 113 816 ha of privately owned land, an estimated 118 303 ha are in community watersheds. The British Columbia Assessment Authority has classified an estimated 640 643 ha as managed forest land, 11 757 ha as unmanaged forest land, and 308 560 ha as land in other statutory property classes for property assessment purposes.

The Provincial government collects neither stumpage nor royalty from timber harvested on private land.

Restrictions on the export of logs are applied by both the federal and provincial governments. Federal regulations control the export of logs from timber harvested on private land granted before March 12, 1906. This category includes the majority of private forest land in the Vancouver Island and Gulf Island area. Provincial regulations control the export of logs from timber harvested on private land granted after March 12, 1906 and from all Crown land.

The federal and provincial log export regulations are similar. These regulations require the private land owner to demonstrate that the timber intended for export is surplus to provincial needs. The net result of these regulations is that the majority of logs from timber harvested on private land in the Vancouver Island and Gulf Island area are milled within the province and not exported as raw logs.

Annual property taxes on private forest land are based on assessed land value. When timber is cut, the value of cut timber is added to the land value for a single assessment year. By committing himself to managing his forest property in accordance with an approved forest management plan, the private forest land owner can have his property reclassified from unmanaged forest land to managed forest land. The tax rate on managed forest land is about one-half the rate on unmanaged forest land. If managed forest land is sold, there are no

penalties or retroactive tax charges to capture the property taxes foregone by the favourable land classification.

The total property tax rate is the sum of local and provincial tax levies. Local levies are only applied to forest land near developed municipalities. Local levies vary greatly over the study area.

In the study area, provincial levies amount to approximately $7/1000 assessed value on managed forest land and $17/1000 on unmanaged forest land.

A map is enclosed in Appendix I identifying the location on Vancouver Island and the Gulf Islands of major parks, municipalities, private land in the managed forest land property class and all other private lands.

ACKNOWLEDGEMENTS

We gratefully acknowledge the co-operation of the following individuals who supplied information for this report:

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T. Nieman (B.C. Ministry of Forests);
D. Reksten (B.C. Ministry of Environment); and
D. Ross (Islands Trust).

1. INTRODUCTION

In December of 1991, the British Columbia Forest Resources Commission retained T.M. Thomson & Associates (THOMSON) to compile information related to several aspects of the administration of private and Crown land on Vancouver Island and the Gulf Islands.

As the project progressed, the terms of reference were clarified and slightly amended. Amendments included adding a brief discussion of the regulations governing the export of logs from timber harvested on private land and adding a report on the area of Crown land inside and outside of Provincial forests.

In summary, the project had the following three objectives:

1. Provide the Commission with a report on the ownership status of land on Vancouver Island and the Gulf Islands.

2. Provide a map identifying major parks, municipalities, private land in the managed forest land property class, and all other private lands.

3. Briefly describe three important aspects of the administration of private forest land: property taxes, stumpage and royalty charges, and log export regulations.

2. OWNERSHIP STATUS OF LAND ON VANCOUVER ISLAND AND THE GULF ISLANDS

The total land area of Vancouver Island and the Gulf Islands was partitioned into the following six components: Crown land in Provincial forests, Crown land outside of Provincial forests, private land in community watersheds, private land in the managed forest land property class, private land in the unmanaged forest land property class, and all other private land. In addition, the terms of reference called for identifying the private land by parcels larger than 10 hectares.

In this report, Crown land includes land owned by either the Provincial or Federal governments. Only land owned by the Provincial government is included in the estimate of Crown land in Provincial forests.

2.1 METHODS

The study area was defined as Vancouver Island, islands off the west coast of Vancouver Island, and the Gulf Islands. The Gulf Islands were defined as Saltspring Island, North Pender Island, South Pender Island, Saturna Island, Mayne Island, Galiano Island, Thetis Island, Kuper Island, Valdes Island, Gabriola Island, Hornby Island, and Denman Island. Lasqueti Island and Texada Island were excluded from the study area.

Investigation revealed that the required information had to be compiled from several sources. No single agency could provide all of the information that was required to produce this report.

Estimates of area by ownership class were obtained for six land types: Timber Supply Areas (TSAs), Tree Farm Licences (TFLs), community watersheds, major parks, private managed forest land, and private unmanaged forest land. The information required in this report was produced by combining these estimates.

An estimate of the total land area in the study area was obtained from the B.C. Ministry of Development, Trade, and Tourism. Estimates of area by ownership class were obtained from the B.C. Ministry of Forests for the three TSAs covering the study area—Arrowsmith, Kingcome, and Strathcona. Estimates of the area in three major parks (Strathcona Provincial

Park, Pacific Rim National Park, and Cape Scott Provincial Park) were obtained from the B.C. Ministry of Lands and Parks. The Management and Working Plans of eight TFLs (6, 19, 25, 37, 39, 44, 46, 47) in the study area were consulted to obtain estimates of the area by ownership class in TFLs. The B.C. Ministry of the Environment provided an estimate of the area in community watersheds by ownership class. Estimates of the area in private managed and unmanaged forest land were compiled from data obtained from the B.C. Assessment Authority.

2.2 RESULTS

2.2.1 AREA OF CROWN AND PRIVATE LAND

Table 2-1 reports the amount of crown and private land on Vancouver Island and the Gulf Islands. This data is also depicted in **Figure 2-1** (opposite).

Table 2-1. Hectares of Crown and Private Land on Vancouver Island and the Gulf Islands

Land Ownership Class	Area (ha)
Private	1 113 816
Crown	2 360 942
Total	**3 474 758**

2.2.2 AREA OF PRIVATE LAND BY PROPERTY CLASS

The B.C. Assessment Authority classifies private land into nine statutory property classes: managed forest land, unmanaged forest land, and seven classes of residential and industrial land. Table 2-2 reports the amount of private land in the study area in these statutory property classes. Also, the amount of private land in community watersheds is reported. This data is also depicted in **Figure 2-1** (opposite).

Table 2-2. Hectares of Private Land by Property Class on Vancouver Island and the Gulf Islands

Property Classes	Area (ha)
Managed Forest Land	640 643
Unmanaged Forest Land	11 757
All Other Classes	308 560
Community Watersheds	118 303
Total	**1 113 816**

2.2.3 Area of Private Land in 10 ha Parcels

Though requested in the terms of reference, it was not possible to produce an estimate of the area of private land in parcels larger than 10 hectares that is not classed as managed or unmanaged forest land. However, on request the B.C. Assessment Authority can produce a listing. The list would not give an indication of how much of the area is suitable or potential forest land.

2.2.4 Area of Crown Land in Provincial Forests

From the area by ownership data collected, it is difficult to estimate the amount of some types of Crown land inside and outside of Provincial Forests. For other types of Crown land, this determination is easy to accomplish. As specified in the Forest Act (1979), all Crown land in a TFL is a Provincial Forest. Generally, parks, recreation areas, and ecological reserves are excluded from Provincial forests. Ususally Crown land in community watersheds is included. Indian reserves (and other land reserves) may be inside or outside of Provincial Forests depending on the history of the legal description of the area and the current status of Ministry of Forests book-keeping. Timber Licences (TLs) are within a Provincial forest when they are associated with a TFL. However, when the TL is surrounded by private land, it is not in a Provincial forest.

A conservative estimate of the area of Crown land in Provincial forests is 1 899 929 ha, 80 percent of all Crown land in the study area (**Table 2-3**).

Table 2-3. An Estimate of the Area of Crown Land Inside and Outside of Provincial Forests on Vancouver Island and the Gulf Islands

Data Source	Estimated Area in Provincial Forests (ha)	Estimated Area out of Provincial Forests (ha)
TSA	564 597	194 968
Major Parks	0	266 045
TFL "Schedule B" lands	1 074 350	0
Crown land in community watersheds	30 042	0
TLs in TFLs	230 940	0
Total	**1 899 929**	**461 013**

2.2.5 Area by Ownership Class Within Tree Farm Licences

Table 2-4. Land Area by Ownership Class, TFL and TFL Block

TFL #	BLOCK #	NAME	SCHEDULE "A" LANDS		SCHEDULE "B" CROWN LAND	TOTAL
			Fee Simple	TL		
6 - WFP	All	Quatsino	2 750	29 920	355	170 025
19 - CPFP	All	Tahsis	6714	-	188 388	195 102
25 - WFP	1	Jordan River	11 460	999	19 465	31 925
	3	Naka Creek	-	4 048	12 345	16 393
	4	Port McNeill	10 934	1 108	19 375	31 417
37 - Canfor	All	Englewood	6 773	20 178	162 040	188 992
39 - MB	2	Adam River	1 408	35 738	169 924	207 070
	4	Port Hardy	2 613	5 922	42 600	51 135
44 - MB	All	Haida	74 313	79 362	299 422	453 097
46 - FCC	All	Maquinna	10 100	10 925	160 436	181 461
47 - FCC	13-16	Courtney/Nanaimo	28 015	25 380	-	53 395
	17	Bonanza Lake	20 392	17 360	-	37,752
Sub-Totals			**175 472**	**230 940**	**1 074 350**	**1 480 762**

Approximately 43 percent of the study area is managed under a Tree Farm Licence agreement. All of TFLs 6, 19, 37, 44 and 46 are located on Vancouver Island and the Gulf Islands. In addition, a portion of TFLs 25, 39 and 47 are located in this area.

Land area by ownership class, TFL, and TFL Block is reported in **Table 2-4**.

2.2.6 Area by Ownership Class Within Timber Supply Areas

Approximately 23 percent of the study area is managed as part of a Timber Supply Area. All of the Arrowsmith TSA, all of the Strathcona TSA, and a portion of the Kingcome TSA is located on Vancouver Island and the Gulf Islands.

Land area by ownership class and TSA is reported in **Table 2-5**. **Table 2-6** provides a key to TSA ownership codes.

Table 2-5. Land Area by Ownership Class and TSA

OWNERSHIP* CODE	ARROWSMITH TSA 38 ALL BLOCKS	STRATHCONA TSA 37 ALL BLOCKS	KINGCOME TSA 33 ONLY BROOKS AND CAPE SCOTT	TOTAL
40	7,439	20,841	6,273	34,553
50	403	145	899	1,447
51	5,523	-	-	5,523
52	2,171	1,714	3,725	7,610
61	-	210	-	210
62	141,874	389,873	126,489	658,236
63	1,182	380	-	1,562
64	178	-	-	178
65	-	156	-	156
67	3,222	780	2,753	6,755
68	-	392	10,308	10,700
69	345	984	2,022	3,351
70	7,461	41,086	8,976	57,523
81	535	5,779	-	6,314
TOTAL	**170,332**	**462,340**	**161,446**	**794,118**

* See **Table 2-6** for key to ownership codes

2.2.7 Area by Managed Forest Unit Number

Approximately 18 percent of the study area is classified in the managed forest property class.

Land area in each land parcel registered as managed forest land is reported in **Table 2-7**.

Table 2-6. Key to TSA Ownership Codes

MINISTRY OF FORESTS, INVENTORY BRANCH
OWNERSHIP CODES

B - Schedule "B" Crown land in a TFL
C - Land available for long-term integrated resource management
N - Land not available for long-term integrated resource management

CODE	OWNERSHIP	DESCRIPTION
40-N	Private	Crown grant. See 81-N.
50-N	Federal	Federal reserve
51-N	Federal	National park
52-N	Federal	Indian reserve
53-N	Federal	Military reserve
54-N	Federal	Dominion government block
60-N	Provincial	Ecological reserve
61-C/N	Provincial	UREP (use, recreation, enjoyment of the public)
62-C	Provincial	Forest management unit (TSA, PSYU), Crown land
62-N	Provincial	Timber agreement land (Crown land less timber rights)
63-N	Provincial	Park, class A
64-N	Provincial	Park, class B
65-N	Provincial	Park, class C, park board
66-N	Provincial	Park, class C, no board
67-N	Provincial	Park, park reserve or equivalent (regional parks, Purcell Wilderness Conservancy, recreation areas, provincial heritage sites, wildlife management reserves)
68-N	Provincial	Wilderness areas within provincial forests
69-C/N	Provincial	Miscellaneous reserves (B.C.F.S. recreation reserve or corridor, B.C. Hydro reserve, B.C. Railway reserve, watershed reserve, industrial reserve, islands reserve, map reserve, greenbelt land, multiple-use fish and wildlife reserve)
70-N	Provincial	Timber licence in a TSA
70-C	Provincial	Timber licence in a TFL
71-C	Provincial	Timber licence in a TFL
72-B	Provincial	Schedule 'B' land in a TFL
74-N	Priv. & Prov.	Timber alienated in a watershed (Greater Vancouver Water District, Greater Victoria Water District)
75-N	Provincial	Christmas tree permit
76-N	Priv. & Prov.	Ownership status unreported in a TFL
77-N	Provincial	Woodlot licence, Crown land portion. Private portion is 40-N
78-N	Provincial	Community pasture in the Prince George Special Sale Area (SSA)
79-N	Provincial	Provincial forest exclusions in the Prince George SSA
81-N	Priv. & Prov.	Lands under municipal administration. See 40. Not in use.
90-C	Provincial	Grazing lease
91-C	Provincial	Hay lease
92-N	Provincial	Foreshore lease
93-C	Provincial	Coal lease and placer lease
95-C	Provincial	Hay cutting permit
96-C	Provincial	Special purpose lease
99-C/N	Provincial	Misc. leases (fairgrounds, rod and gun club sites, recreational cottage site leases, and community organization leases)

Source: B.C. Ministry of Forests. 1990. Standards and procedures for the acquisition of forest inventory data. 75 p.

Table 2-7. Land Area by Managed Forest Land Unit Number

MF #	WITHIN TFL (ha)	TFL #	NOT IN TFL* (ha)
5	-	-	13,356
7	-	-	119,286
8	53,646	47	-
15	-	-	177
19	-	-	156,701
20	2,064	199	-
21	4,101	39	-
22	-	-	955
25	6,725	37	-
29	2,684	6	-
30	11,554	25	-
31	10,954	25	-
39	-	-	14,051
45	-	-	1,393
47	-	-	2,678
57	-	-	364
61	-	-	2,551
64	-	-	1,473
65	-	-	68,015
68	-	-	78,346
69	-	-	1,321
70	-	-	65
71	-	-	698
74	73,157	44	-
76	10,587	46	-
78	-	-	2,465
83	-	-	46
86	-	-	34
87	-	-	312
88	-	-	83
91	-	-	69
93	-	-	12
98	-	-	40
111	-	-	64
114	-	-	38
117	-	-	65
118	-	-	32
120	-	-	65
122	-	-	37
128	-	-	25
130	-	-	34
142	-	-	61
147	-	-	37
151	-	-	18
155	-	-	155
160	-	-	49
Total	**175,472**		**465,171**

GRAND TOTAL: 640,643

3. MAPPING THE LOCATION OF PRIVATE FOREST LAND

Appendix I contains a map identifying the location on Vancouver Island and the Gulf Islands of the following land types:

- Major parks;
- Municipalities;
- Private land in the managed forest land property class; and
- All Other private land.

The map was produced digitally at a scale of 1:250,000 using source maps obtained from MAPS-BC and the B.C. Assessment Authority. The map should be interpreted as showing the placement of the land classes in a general sense and may not be entirely accurate. The boundaries of the managed forest land should be taken as approximate. The terms of reference did not allow for rigorously checking placement of the property boundaries.

4. PROPERTY TAXES, STUMPAGE AND ROYALTY CHARGES, AND LOG EXPORT REGULATIONS AS THEY APPLY TO PRIVATE FOREST LAND

To facilitate the assessment for property taxes, the B.C. Assessment Authority classifies private land into one of nine statutory property classes:

- Class 1 - Residential
- Class 2 - Utilities
- Class 3 - Unmanaged forest land
- Class 4 - Major industry
- Class 5 - Light industry
- Class 6 - Business and other,
- Class 7 - Managed forest land
- Class 8 - Recreation property/non-profit organization
- Class 9 - Farm

When the Assessor determines that a parcel of private land has "as its highest and best use the growing and harvesting of trees"[1], the land is classed as unmanaged forest land. For forest land the property assessment is based on capability to grow trees. The value of standing timber is not considered until harvesting occurs. The Assessor estimates land value based on an estimate of timber productivity. Factors such as topography, accessibility, soil quality, parcel size, and location are considered. Annual property taxes are determined by the assessed land value and the tax rate.

When timber is harvested from private forest land, the value of the cut timber is added to the land value two years later to determining the annual property assessment. The value of cut timber is estimated based on log quantity, species, grade and the average log prices. The property assessment decreases if no further harvesting occurs in subsequent years.

The owner of land in the unmanaged forest class may apply to the B.C. Assessment Authority to have the land reclassified as managed forest land. The tax rate for managed forest land is approximately 50 percent of the tax rate for unmanaged forest land. In return for this reduction in tax rate, the owner must manage the land in accordance with an approved forest management plan.

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[1] Assessment Act 1979.

If the property is sold, there are no retroactive property tax liabilities or penalties.If the sale occurs one year after harvesting the new owner will receive an increased tax notice in the following year.

The property tax rates paid by the owners of managed and unmanaged forest lands in the study area vary with the location of the forest land parcel. There are two components of the total property tax rate: provincial tax levies and local tax levies.

Provincial tax levies are paid on all private forest land, regardless of location. They include school, provincial general, and B.C. Assessment Authority levies. For managed forest land, these annual levies total approximately $7/1000 of assessed value. For unmanaged forest land, these annual levies total approximately $17/1000 of assessed value.

Forest land values vary greatly over the study area from less than $500/ha to over $1500/ha. To illustrate the range in taxes by property class if we assume an average assessed land value of $1000/ha and these tax rates, 4.5 million dollars property tax would be paid annually on the 640 643 ha on Vancouver and Gulf Islands that is classified as managed forest land. If taxes on this land approximated the rates applied to unmanaged forest land, 10.9 million dollars property tax would be paid annually.

In addition to provincial levies, local tax levies are paid on private forest land near developed municipalities. They include taxes for hospitals, recreational facilities, and other local services. Local hospitals, recreational facilities, and other local services. Local tax levies range from zero to rates in excess of the provincial tax levies.

Different rates are paid on land classified in the seven other statutory property classes.

The Provincial government collects neither stumpage nor royalty from timber harvested on private land.

Restrictions on the export of logs are applied by both the federal and provincial governments. Federal regulations control the export of logs from timber harvested on private land granted before March 12, 1906. This category includes the majority of private forest land in the Vancouver Island and Gulf Island area. Provincial regulations control the export of logs from timber harvested on private land granted after March 12, 1906 and from all Crown land.

The federal and provincial log export regulations are similar. These regulations require the private land owner to demonstrate that the timber intended for export is surplus to provincial needs. The net result of these regulations is that the majority of logs from timber harvested on private land in the Vancouver Island and Gulf Island area are milled within the province and not exported as raw logs.

APPENDIX I

MAP IDENTIFYING THE LOCATION OF VANCOUVER ISLAND AND THE GULF ISLANDS OF MAJOR PARKS, MUNICIPALITIES, PRIVATE LAND IN THE MANAGED FOREST LAND PROPERTY CLASS, AND ALL OTHER PRIVATE LANDS

(Under Separate Cover)